APPENDIX 1
Computer Programs

BUILD FALSE

```
#!/usr/leo/bin/perl

if (scalar @ARGV <4) { die "Need Pool, Seq, #False positives, #False negatives\n"; }

$FalsePos=$ARGV[2];
$FalseNeg=$ARGV[3];
open(POOL,$ARGV[0]);
print "Using pool $ARGV[0]\n";
$pools=0;
while(<POOL>)
{
        last if (/TotCost/);
        chop $_;
        @Probes=split(/[: ]/,$_);
        shift @Probes;
        shift @Probes;
        shift @Probes;
        if (scalar @Probes > 0)
        {
                @{$Pool[$pools]}=@Probes;
                foreach $probe (@Probes)
                {
                        $PoolInd{$probe}=$pools;
                }
                $pools++;
        }
}

print "Using sequence $ARGV[1]\n";
open(SEQ,$ARGV[1]);
$Seq="";
while (<SEQ>)
{
        chop $_;
        $Seq .= uc($_);
}

$Found=0;
undef(%Mers);
undef(@Solutions);
undef(%On);
foreach $i(0..length($Seq)-10)
```

```
{
        $fprobe=substr($Seq,$i,5);
        $lprobe=substr($Seq,$i+5,5);
        $pool=$PoolInd{$lprobe};
        $On{$fprobe}{$pool}=1;
}
foreach $prb (keys %On)
{
        foreach $pool (keys %{$On{$prb}})
        {
                print "True Signal: fp=$prb pool=$pool\n";
                push @Signals, new_signal($prb,$pool);
        }
}
$NumOn=scalar @Signals;

@char = qw( A C G T );
foreach $1(@char) {
foreach $2(@char) {
foreach $3(@char) {
foreach $4(@char) {
foreach $5(@char) {
        push @Probes, $1.$2.$3.$4.$5;
}}}}}
foreach $i (1..$FalsePos)
{
        $pool = int(rand($pools));
        $fixed = $Probes[rand(1024)];
        $On{$fixed}{$pool}=1;
        print "False positive Signal: fp=$fixed pool=$pool\n";
}

foreach $i (0..$FalseNeg-1)
{
        $tmpSignal=$Signals[$i];
        $randPos = $i + int($NumOn);
        $Signal=$Signals[$randPos];
        $Signals[$i]=$Signal;
        $Signals[$randPos]=$tmpSignal;
        $On{$Signal->[0]}{$Signal->[1]}=0;
        print "False negative : fp=$Signal->[0] pool=$Signal->[1]\n";
        $NumOn--;
}
foreach $prb (keys %On)
{
        foreach $pool (keys %{$On{$prb}})
        {
```

```
                if ($On{$prb}{$pool}==1)
                {
                        foreach $probeInPool (@{$Pool[$pool]})
                        {
                                $Mers{$prb.$probeInPool}=1;
                        }
                }
        }
}
print STDERR "10mers:", scalar (keys %Mers),"\n";
print "10mers:", scalar (keys %Mers),"\n";
$overlap=2;
foreach $mer (keys %Mers)
{
        foreach $o (1..$overlap)
        {
                $Prefix[$o]{substr($mer,0,length($mer)-$overlap)}.=
                        substr($mer,length($mer)-$overlap,$o)." ";
                $Postfix[$o]{substr($mer,$overlap,length($mer)-$overlap)}.=
                        substr($mer,$o-1,$overlap+1-$o)." ";
        }
}
undef(%Pre);
undef(%Post);
foreach $mer (keys %Mers)
{
        $Pre{substr($mer,0,length($mer)-1)}.=substr($mer,length($mer)-1,1);
        $Post{substr($mer,1,length($mer)-1)}.=substr($mer,0,1);
}
undef(%Mers);
foreach $submer (keys %Post)
{
        @chars=split(//,$Pre{$submer});
        @Chars=split(//,$Post{$submer});
        foreach $ch (@chars)
        {
                foreach $Ch (@Chars)
                {
                        $Mers{$Ch.$submer.$ch}=1;
                }
        }
}
foreach $o (1..$overlap)
{
        foreach $submer (keys %{$Postfix[$o]})
        {
                @chars=split(/ /,$Prefix[$o]{$submer});
```

```
                @Chars=split(/ /,$Postfix[$o]{$submer});
                foreach $ch (@chars)
                {
                        foreach $Ch (@Chars)
                        {
                                $Mers{$Ch.$submer.$ch}=1;
                        }
                }
        }
}
foreach $i (0..length($Seq)-11)
{
        $mer = substr($Seq,$i,11);
        if (!$Mers{$mer})
        {
                print STDERR $mer, " not found!\n";
                exit(1);
        }
}

print STDERR "11mers:", scalar (keys %Mers),"\n";
print "11mers:", scalar (keys %Mers),"\n";
foreach $lenMer (12..length($Seq))
{
        undef(%Prefix);
        undef(%Postfix);
        foreach $mer (keys %Mers)
        {
                $Prefix{substr($mer,0,length($mer)-1)}.=substr($mer,length($mer)-1,1);
                $Postfix{substr($mer,1,length($mer)-1)}.=substr($mer,0,1);
        }
        undef(%Mers);
        foreach $submer (keys %Postfix)
        {
                @chars=split(//,$Prefix{$submer});
                @Chars=split(//,$Postfix{$submer});
                foreach $ch (@chars)
                {
                        foreach $Ch (@Chars)
                        {
                                $Mers{$Ch.$submer.$ch}=1;
                        }
                }
        }
        print STDERR $lenMer,"mers:", scalar (keys %Mers),"\n";
        print $lenMer,"mers:", scalar (keys %Mers),"\n";
        if (($lenMer%50 == 0) && (scalar (keys %Mers) > 4000))
```

```
	{
		print STDERR "Cleaning...";
		$Cleaned=0;
		foreach $seq (keys %Mers)
		{
			undef(%testOn);
			foreach $i(0..length($seq)-10)
			{
				$fprobe=substr($seq,$i,5);
				$pool=$PoolInd{substr($seq,$i+5,5)};
				$testOn{$fprobe}{$pool}=1; #To see if all are fully
represented
			}
			$NumtestOn=0;
			foreach $prb (keys %testOn) { $NumtestOn += scalar (keys
%{$testOn{$prb}}); }
			if ($NumtestOn<($lenMer-15))
			{
				$Cleaned++;
				delete $Mers{$seq};
			}
		}
		print STDERR "$Cleaned cleaned out.\n";
	}
}
print STDERR "Checking all ",scalar (keys %Mers), " solutions for full dot-representation...";
print OUT "#Growths: ", scalar (keys %Mers)," ";

NEXT:foreach $seq (keys %Mers)
{
	undef(%testOn);
	foreach $i(0..length($seq)-10)
	{
		$fprobe=substr($seq,$i,5);
		$pool=$PoolInd{substr($seq,$i+5,5)};
		$testOn{$fprobe}{$pool}=1; #To see if all are fully represented
	}
	$NumtestOn=0;
	foreach $prb (keys %testOn) { $NumtestOn += scalar (keys %{$testOn{$prb}}); }
	if ($seq eq $Seq)
	{
		$Found=1;
		$seq .= " True solution ";
	}
	if ($NumtestOn>=$NumOn)
	{
		push @Solutions, $seq;
```

```
                print "$seq DotsOn=$NumtestOn\n\n";
        }
}
print STDERR "done.\n",scalar @Solutions, " consistent solutions found";
if ($Found)
{
        print STDERR " including the true one.";
}
else {
        print STDERR " - TRUE not FOUND!!";
}
print "Solutions: ",scalar @Solutions," ";

sub new_signal
{
        my ($fp,$pool)=@_;
        my @Signal = ($fp,$pool);
        return \@Signal;
}
```

BuildMMult

```
#!/usr/leo/bin/perl

if (scalar @ARGV <4) { die "Need Pool, Seq, #False positives, #False negatives\n"; }

$FalsePos=$ARGV[2];
$FalseNeg=$ARGV[3];
open(POOL,$ARGV[0]);
print "Using pool $ARGV[0]\n";
$pools=0;
while(<POOL>)
{
        last if (/TotCost/);
        chop $_;
        @Probes=split(/[: ]/,$_);
        shift @Probes;
        shift @Probes;
        shift @Probes;
        if (scalar @Probes > 0)
        {
                @{$Pool[$pools]}=@Probes;
                foreach $probe (@Probes)
                {
                        $PoolInd{$probe}=$pools;
                }
                $pools++;
        }
}

print "Using sequence $ARGV[1]\n";
open(SEQ,$ARGV[1]);
$Seq="";
while (<SEQ>)
{
        chop $_;
        $Seq .= uc($_);
}

$Found=0;
undef(%Mers);
undef(@Solutions);
undef(%On);
foreach $i(0..length($Seq)-10)
{
        $fprobe=substr($Seq,$i,5);
        $lprobe=substr($Seq,$i+5,5);
```

```
        $pool=$PoolInd{$lprobe};
        $On{$fprobe}{$pool}=1;
}
foreach $prb (keys %On)
{
        foreach $pool (keys %{$On{$prb}})
        {
                print "True Signal: fp=$prb pool=$pool\n";
                push @Signals, new_signal($prb,$pool);
        }
}
$NumOn=scalar @Signals;

@char = qw( A C G T );
foreach $1(@char) {
foreach $2(@char) {
foreach $3(@char) {
foreach $4(@char) {
foreach $5(@char) {
        push @Probes, $1.$2.$3.$4.$5;
}}}}}
foreach $i (1..$FalsePos)
{
        $pool = int(rand($pools));
        $fixed = $Probes[rand(1024)];
        $On{$fixed}{$pool}=1;
        print "False positive Signal: fp=$fixed pool=$pool\n";
}

foreach $i (0..$FalseNeg-1)
{
        $tmpSignal=$Signals[$i];
        $randPos = $i + int($NumOn);
        $Signal=$Signals[$randPos];
        $Signals[$i]=$Signal;
        $Signals[$randPos]=$tmpSignal;
        $On{$Signal->[0]}{$Signal->[1]}=0;
        print "False negative : fp=$Signal->[0] pool=$Signal->[1]\n";
        $NumOn--;
}
foreach $prb (keys %On)
{
        foreach $pool (keys %{$On{$prb}})
        {
                if ($On{$prb}{$pool}==1)
                {
                        foreach $probeInPool (@{$Pool[$pool]})
```

```
                        {
                                $Mers{$prb.$probeInPool}=1;
                        }
                }
        }
}
print STDERR "10mers:", scalar (keys %Mers),"\n";
print "10mers:", scalar (keys %Mers),"\n";
#$overlap=2;
#foreach $mer (keys %Mers)
#{
#       foreach $o (1..$overlap)
#       {
#               $Prefix[$o]{substr($mer,0,length($mer)-$overlap)}.=
#                       substr($mer,length($mer)-$overlap,$o)." ";
#               $Postfix[$o]{substr($mer,$overlap,length($mer)-$overlap)}.=
#                       substr($mer,$o-1,$overlap+1-$o)." ";
#       }
#}
undef(%Pre);
undef(%Post);
foreach $mer (keys %Mers)
{
        $Pre{substr($mer,0,length($mer)-1)}.=substr($mer,length($mer)-1,1);
        $Post{substr($mer,1,length($mer)-1)}.=substr($mer,0,1);
}
undef(%Mers);
foreach $submer (keys %Post)
{
        @chars=split(//,$Pre{$submer});
        @Chars=split(//,$Post{$submer});
        foreach $ch (@chars)
        {
                foreach $Ch (@Chars)
                {
                        $Mers{$Ch.$submer.$ch}=1;
                }
        }
}
#foreach $o (1..$overlap)
#{
#       foreach $submer (keys %{$Postfix[$o]})
#       {
#               @chars=split(/ /,$Prefix[$o]{$submer});
#               @Chars=split(/ /,$Postfix[$o]{$submer});
#               foreach $ch (@chars)
#               {
```

```
#                       foreach $Ch (@Chars)
#                       {
#                               $Mers{$Ch.$submer.$ch}=1;
#                       }
#               }
#       }
#}
foreach $i (0..length($Seq)-11)
{
        $mer = substr($Seq,$i,11);
        if (!$Mers{$mer})
        {
                print STDERR $mer, " not found!\n";
                exit(1);
        }
}

print STDERR "11mers:", scalar (keys %Mers),"\n";
print "11mers:", scalar (keys %Mers),"\n";
foreach $lenMer (12..length($Seq))
{
        undef(%Prefix);
        undef(%Postfix);
        foreach $mer (keys %Mers)
        {
                $Prefix{substr($mer,0,length($mer)-1)}.=substr($mer,length($mer)-1,1);
                $Postfix{substr($mer,1,length($mer)-1)}.=substr($mer,0,1);
        }
        undef(%Mers);
        foreach $submer (keys %Postfix)
        {
                @chars=split(//,$Prefix{$submer});
                @Chars=split(//,$Postfix{$submer});
                foreach $ch (@chars)
                {
                        foreach $Ch (@Chars)
                        {
                                $Mers{$Ch.$submer.$ch}=1;
                        }
                }
        }
        print STDERR $lenMer,"mers:", scalar (keys %Mers),"\n";
        print $lenMer,"mers:", scalar (keys %Mers),"\n";
        if (($lenMer%50 == 0) && (scalar (keys %Mers) > 4000))
        {
                print STDERR "Cleaning...";
                $Cleaned=0;
```

```
		foreach $seq (keys %Mers)
		{
			undef(%testOn);
			foreach $i(0..length($seq)-10)
			{
				$fprobe=substr($seq,$i,5);
				$pool=$PoolInd{substr($seq,$i+5,5)};
				$testOn{$fprobe}{$pool}=1; #To see if all are fully
represented
			}
			$NumtestOn=0;
			foreach $prb (keys %testOn) { $NumtestOn += scalar (keys
%{$testOn{$prb}}); }
			if ($NumtestOn<($lenMer-15))
			{
				$Cleaned++;
				delete $Mers{$seq};
			}
		}
		print STDERR "$Cleaned cleaned out.\n";
	}
}
print STDERR "Checking all ",scalar (keys %Mers), " solutions for full dot-representation...";
print OUT "#Growths: ", scalar (keys %Mers)," ";

NEXT:foreach $seq (keys %Mers)
{
	undef(%testOn);
	foreach $i(0..length($seq)-10)
	{
		$fprobe=substr($seq,$i,5);
		$pool=$PoolInd{substr($seq,$i+5,5)};
		$testOn{$fprobe}{$pool}=1; #To see if all are fully represented
	}
	$NumtestOn=0;
	foreach $prb (keys %testOn) { $NumtestOn += scalar (keys %{$testOn{$prb}}); }
	if ($seq eq $Seq)
	{
		$Found=1;
		$seq .= " True solution ";
	}
	if ($NumtestOn>=$NumOn)
	{
		push @Solutions, $seq;
		print "$seq DotsOn=$NumtestOn\n\n";
	}
}
```

```
print STDERR "done.\n",scalar @Solutions, " consistent solutions found";
if ($Found)
{
        print STDERR " including the true one.";
}
else {
        print STDERR " - TRUE not FOUND!!";
}
print "Solutions: ",scalar @Solutions," ";

sub new_signal
{
        my ($fp,$pool)=@_;
        my @Signal = ($fp,$pool);
        return \@Signal;
}
```

APPENDIX 2
Experimental Target Sequence r300 (SEQ ID NO:41)

GTAGGGGTAG ACATCGCGTA AAAGGGGCGT ACCCAGGACC CCCCTTGGCT
CAATAAGTAG CGCTGGGGTG CTACTACGGG TCTCGACACG CATTCAACTA
AAAGCTTCCA TTCGCACGGG CTTATTTAAC GAAGGTCGCG ATAAGGTGCC
GAATAGGCTG CAGAGCGGCA GCCTGTCCAG TGAATGCTGT GAGGCCTCCA
GCTGACTCAT GAGAGAAGCC CAGTATTCAA ACTACGATTC CACTCGACAA
TTTAGGATGT CTTCCCGAAA GCTATCGGGT AGAATATCAG ATTCGTTTAA

APPENDIX 3
D16 and DN16 Pools of Probes

D16

Group 0:64:

GATTT	CAGCT	GAAAA	TGGTT	AAAGT	CGCTC
AAGAT	CAAGC	TAACG	GCCTC	TGCAA	CAATG
AGAAC	TCAAA	ACTAT	TCAGT	GGGAA	TTCTA
TTGCT	GTAAG	GGTAC	TTAGA	TAGTC	CCACA
CTCTT	ATGAA	TCTGA	ACCGC	TACAC	CCTTA
AACAG	TGGGG	GCACC	GTGGC	GGCTG	GTCCA
TATGT	GGACT	AGCGA	TGATG	GATCA	TCCCG
TCTCC	GCGGG	GTCGT	CGCCG	ATTGG	GTATC
AGTTA	ATACT	CTTCC	CCCAG	GCCAT	TGTTC
GTTTG	CGTAG	TTTAT	AACCC	CCGAC	CAGGA
CTGCG	CGATA	ACGTG	AGGCA		

Group 1:64:

GTAAA	TCAGG	ACTCC	ATTAC	CCTGT	GCCCG
GGATG	CAACG	AATGG	TATCG	CTCAA	TGCCG
GAGGA	TAATC	CAAGT	TGCTA	ACCAA	TAGAA
GGCTC	TACGC	CGGGG	TTATA	CTCGG	CTACC
ATCTG	TTTAG	CATAC	CCCCT	GACAG	AGAGA
CCAGA	ACTTA	GCACA	GCTTG	TCCAC	CTGGC
CCGCA	AAACA	ATGTC	TGGGT	TCTTC	ATAGT
TGACC	TTGAT	AGCAT	GTTCA	CGTCA	ACATT
AGGTA	AAGCC	CGAAT	CGGAC	TCGTG	GGCGT
TGTGA	GGTGC	CAGTT	GCGGC	CACTA	GGTCT
GTATT	ATCCT	GCGAT	CTTTT		

Group 2:64:

TAGGG	GCGTC	GTTTC	AGATT	TGTGT	TTCGA
TAATT	CTGAC	GGGCG	CCAAT	CTAGT	ATTCC
TGCTG	GTCCG	TACCC	AGCAG	GTTCT	ACTCG
TTAAG	CCCGG	CGCCT	GATAG	TACAA	TCATA
CAGAG	TCCCT	CCTAA	GGAGA	CCACC	AGACC
CCGTT	TCTGC	CGATG	AGCGC	CGGTA	ACAGG
ATGGG	AAGTG	CATGT	GCATT	CAGTC	CTTTG
TTGTT	TGAAC	GAAGG	GGCAA	GACTA	ACGAC
ACCAT	CAACA	AATAC	GACGT	ATAAA	GTAGC
GAGGC	AAACT	CTCTC	GCTCA	CGTGC	ATCTA
GGGAT	TTGCA	ACGGA	AGTAA		

Group 3:64:

ACGGT	CGGCA	ATACG	CCTTC	AACGC	CGCGC

CGACG	CGGGT	GTGAA	AGCAA	CTAGA	TCGTA
GAACT	TGTGC	GCCCC	TTCTT	TGCCT	TCAAG
CCTGG	TAAGG	TCCTC	ATCAC	CACTT	ACGAG
GTTGT	TTAGC	CACAG	GCATA	AAATC	CTAAT
GCAGC	GAGAC	GGTAG	TGACA	AATAT	TATTC
TTGCG	GCTAT	TGGAT	GATGG	ATGTT	TACCA
ATTTG	TCTCG	CTTTA	ATTGA	CTCCC	AGGCC
GTCGG	GGTTA	AAGCG	ACTCA	TCCGT	AGCTG
CATCC	AGAGG	GAGTG	GTGTC	AAAAA	CCCAA
CGATT	CCGCT	TAGGA	TGGTG		

Group 4:64:

TAAAT	CGTAT	AAAAG	CAAGA	ACGAT	GAACA
TTCGC	AACGG	TATGA	ATCAA	TCCAA	CGCGT
CAGAA	AACCT	GCGCA	GAGGG	AATGT	ATGCC
CTGGT	GGGCT	GAGTT	AAGTA	CAGCC	TGTAC
CAATC	AGCTC	GCAAC	ATGGA	TAGCA	TCTCT
GCCGT	CTACG	CTTAC	GTTAG	CCTGC	CGTCG
TTCCG	TCGGG	GACAC	ACATG	GGCGA	AGACT
GGATA	GTCCT	ATAAC	CCATT	CACTG	GATTC
TACTA	CCCCA	ATTTC	GGGAG	CCGAG	CATCT
TGAGC	GGTCA	GTAGG	AGTGG	TCACC	CGCCC
GCTTT	TTATT	TGTTG	TTGTG		

Group 5:64:

GGGCC	TCTAG	ACCGA	GAAAT	CATAG	CCTGA
GTTAC	AACAA	TGCGC	CGGAA	AACTT	TAAAA
ATAAG	CGCTT	GCTCT	ACTGT	TCCAT	ATGAT
CTTCG	CTGGG	AATCG	CAGCA	TTCTG	GCTAA
TGGTA	CCCCG	CTATA	AGCGG	GAACG	CACGG
TGTAT	GCCGC	TACCT	TCGCC	TAGAC	GTGTT
AGATA	GACCC	TAGGT	AAGGC	ACACC	TTATC
TCATG	CCAAC	CTCAC	GCGTG	GTACA	GACGA
CCGTC	ATTTT	GATTA	CATTC	CTGCT	CGAGC
TGACT	AGTTC	GGAGT	CCAGT	AGGAC	GTCAG
GGTGG	ACGCG	ATCCC	TTTGA		

Group 6:64:

AAGGG	CATAT	GCCTA	GAAAC	TGATT	ACAGC
TCGTC	CAGAC	CCAAG	CGCAA	CAATA	CTCTG
CGGCG	AGGAG	AACGA	GGCCC	CTACT	ACGCC
CTCGC	GCGCG	TACCG	AGCAC	TGTAA	TGCGT
TTGAA	ATAGA	TTAGG	TAAAG	ACTAA	TTTAC
ATTGT	TATGC	AACTC	ACCAG	TAGCT	AGATG
TATTA	CATGG	CGTGT	GTCAT	AGTTT	AAAAT
CCGGT	TCGAT	ATTCG	GGACA	GGGTA	GAGGT
CGAAC	GCATC	GCTGA	GTGAG	CCTCA	TCACT
GACTT	GATCC	GTTGG	TTCCA	CGGGA	ACCCT
CCTTG	CTTTC	CTGTT	TGGGC		

Group 7:64:

TCCGG	CGGGC	AAAAC	GGAAG	GACAA	TGCAC
GTCTC	CAATT	AGTGT	GCAGT	GGCCG	GCGAA
CGTTC	TGGCA	AGTAG	TTAAT	CGACT	CTTCA
AACTG	ACTTT	ACGGC	CTAAC	CGTAA	GACCT
ACCCC	ATAGG	CTTAG	TACAG	TCGGT	CACGC
GATAC	CTCGT	CATTA	TGAGA	AGACG	GTGGG
CCGTG	GTATA	GATTG	GGTGA	TAGTT	GGGTC
ATGTA	TCTAC	CAGCG	TCACA	TAAGC	AAGGA
ATCAT	TTGCC	ATTCT	GTACC	TCCTA	TGTTT
CGGAT	TTATG	TATCT	AGCCA	ACATA	TCGAG
GCGCT	TTGGA	CCAGG	CCTCC		

Group 8:64:

TTTTC	GCCCA	ATATC	GGAAA	GTTGA	CAGTA
AGTCC	TGTCG	TCACG	ACCAC	CGATC	TGAAT
AAAGA	CGTTA	CACAT	CCTCT	GATGC	CTAAG
CTACA	TATAA	GCGAC	GGGGG	CTCGA	GGCGC
GTCTT	ATTAT	TAATG	AGGAT	AATCA	TCTGT
CACCC	AACCG	AATAG	CGGCT	GAGAG	GTGTA
CCGAA	GTTCG	ACGCT	CCGCG	GGTTT	AAATT
AGGTG	TCCTT	ATCGT	TTCAA	ACTTG	ATGGC
TCGGA	CCCTA	TAGCC	TGCCA	TTGGG	TATTT
GCATG	AGAAG	CGCAG	CAAGG	TGGAC	GAGCT
CCAGC	ACAAA	GCCGG	GTACT		

Group 9:64:

TAGTA	TATCC	GTAAC	ACGTT	TTTAA	CTTGT
ATACA	CACAA	AGGAA	ATAGC	TTACT	CACCT
CATCG	TTCGT	GCTTA	AACCA	CGCTG	TAGAG
CCCTT	GCCGA	AATTT	AGTCT	GCGCC	TCGCA
ATAAT	TAAAC	CTGTA	CGACC	TACGG	GGCGG
CCGGC	GATAT	CAGGT	CCAAA	TGGTC	TTCCC
ATCTC	AGGGC	GAATG	TGTCA	GTGAT	GGCCT
TTGGC	ATGCG	ACTGA	TCATT	GAAGT	GGGTT
GCCAC	ACTAC	TCTGG	ACCCG	CGTAC	CTCAG
AAAGG	CATGA	TTTTG	GACTC	GTTGC	TGCAT
GCTAG	GGACG	TGAGG	GTGGA		

Group 10:64:

CCACG	GCAGA	AACGT	GAGAT	GGGCA	CGTTG
CCGTA	TGATA	GCCTG	TCCGA	AAGCA	GAATA
ATTCA	CGAGG	TGGGA	GGCTT	TGAAG	TGTCC
CCCTC	GCTGT	TAACT	ATCAG	TTCCT	CTCTA
TTACC	GGAAC	TCGCG	GTTAA	ATGAC	GATCG
GCAAT	GTGCT	ACTAG	AGGGT	AGCCG	CGCCA
TTTGG	ATGTG	CTGCC	TCTTT	CATGC	AAATG
TCTCA	ACACA	AGTGA	AGTAT	GTCAC	ACATC
GACGC	GGTTC	ACCTT	TACTG	CTGGA	GACCA
AGAGC	ACGGG	CAAAA	GTACG	CGCAT	TCGAC
TATAT	CTATT	GAGTC	CCTAC		

Group 11:64:

GAACC	AGCCT	AACAT	CACGT	GGGGC	CTCCA
GCTCG	ACAAG	GTCTG	GGCTA	TGTAG	ATATT
TCGTT	CCACT	ACCTA	CTTAT	CGCAC	TAATA
TGGCG	TTCGG	TACTC	TTGTC	AGGTC	TCCCA
CCTTT	GTTCC	ATTTA	GCGGA	GGAAT	TTTCT
CAAAC	ATCGC	GAGCG	CTTGA	TCAAC	TTCAT
TGATC	AGAGT	ACCGG	CGAGA	GCTTC	CAGTG
TTAAA	TACGA	CCGCC	AAAGC	AGACA	GGTAA
CGTGG	GCCAG	CGGTT	GATGT	GCAGG	AATTG
TAGAT	AAGAA	CATCA	ATGCA	CTGAG	ATGGT
GTGAC	ACTGC	AGTAC	CTATG		

Group 12:64:

TGCTT	GAGCA	ATATG	TTACA	GGATC	ACACG
CTCAT	CTGTC	AGAAT	TATTG	CTGCA	GCAAA
ATTAA	TACGT	GCCCT	AAGAC	ACCCA	GTCTA
CTAAA	AGTCG	ACCTC	CGCGA	GGTAT	CGAGT
CCTAG	GTCCC	TTCAC	GTGCG	TGGCC	TCGCT
TTGAG	TCAAT	GATGA	AGCTA	GGCAC	CTTCT
GCGGT	ACGAA	ATCGG	CCGGG	TGGAA	TGTGG
CGTTT	AGGCT	GAAAG	GAAGC	AAATA	GGGTG
CACCG	TCAGC	CCATG	GCTCC	CTTGC	CACTC
AATCC	TCCAG	AAGTT	CATAA	CAACC	TCTTA
TGACG	CGGAG	GTAGT	ACAGA		

Group 13:64:

TTTGT	ATTAG	TAAGA	TCGAA	CGACA	ACTTC
AGAAA	GTAGA	AAGTC	CCTAT	GCGTA	CGTCC
ACCGT	TCTTG	GAATT	TCCCC	ATCCG	GCTGC
GTCAA	GATAA	GGTCG	TTCTC	TGGCT	AGGGG
GGGAC	CCATC	GTGGT	GTTTT	AACTA	TCGGC
AAACC	GGCCA	TGAGT	AATGA	CTCCT	GTGCC
CAGGC	TATAC	GACGG	AGGTT	AGCCC	TACAT
CAGAT	GCACG	GTGTG	GGCAT	CGCGG	TTTCA
CCCGA	AATCT	TGCAG	CTGAA	CGGTG	ACACT
CCCAC	TAGCG	CTAGG	CAAAG	TTAAC	ATTGC
GGAGC	ACCTG	TGTTA	ACGCA		

Group 14:64:

CGGTC	GCTGG	GTCGC	TTTCC	TTGTA	CACAC
GCGTT	ACAAC	CGTCT	ACTCT	CGAAA	AGTTG
CTTGG	AGCTT	ACGTA	AGTGC	TGGAG	AGTCA
CTCCG	TTAGT	GTAAT	TTACG	GGGGA	ACAGT
TCATC	ATCGA	CCCAT	CCCGC	GCAAG	TGCCC
TTCAG	GAAGA	AAACG	TAACA	CAAAT	ATGAG
AATAA	ATATA	TGCGA	GGCAG	GCTAC	CTATC
CCGGA	CACCA	GAGAA	TTTTT	CAGGG	GATCT
TACTT	GGTGT	CATTG	GGACC	GACTG	ATGCT
GAGCC	TATGG	TCCTG	TAGGC	AAGGT	AATTC
GTTTA	CTGAT	GGATT	TCTAA		

Group 15:64:

AATTA	TAGTG	TATAG	GGGGT	GGTCC	TGAAA
CTTAA	AAGCT	CCCTG	CTGTG	GCCTT	CGAAG
CCTCG	TATCA	TAACC	TTGGT	CATTT	CCATA
TAAGT	CGTGA	AGGGA	GTCGA	GGTTG	AGATC
TGTCT	ATCTT	GACAT	TCAGA	GGAGG	AAGAG
AGGCG	GTTAT	TGCGG	CCCGT	TTTCG	CACGA
GAATC	ATACC	CAACT	GCACT	TTGAC	ACTGG
GCCAA	CCGAT	TGCTC	GTGCA	GCGAG	GACCG
GAGTA	TTTTA	AGCGT	CGCTA	TCCGC	TCTAT
CGGCC	CTAGC	GTATG	ATCCA	AACAC	ACAAT
TTTGC	CCCCC	ACGTC	AATGC		

DN16

Group 0:64:

GATTT	CCTTT	GAAAA	TGGTT	AAAGT	CGCTC
AAGAT	CAAGC	TAACG	GCCTC	TGCAA	CAATG
AGAAC	TCAAA	ACTAT	TCAGT	GGGAA	TTCTA
TTGCT	GTAAG	GGTAC	TTAGA	TAGTC	CCACA
CTCTT	AACTT	TCTGA	ACCGC	TACAC	GACGA
AACAG	TGGGG	GCACC	GTGGC	GGCTG	GTCCA
TATGT	GGACT	AGCGA	TGATG	GATCA	TCCCG
TCTCC	GCGGG	GTCGT	CGCCG	ATTGG	GTATC
AGTTA	ATACT	CTTCC	CCCAG	CTTAT	TTGAG
GTTTG	CGTAG	CATGG	AACCC	CCGAC	CAGGA
CTGCG	CGATA	ACGTG	AGGCA		

Group 1:64:

GTAAA	TCAGG	ACTCC	AAAGC	CCTGT	GCCCG
GGATG	CAACG	AATGG	TATCG	CTCAA	TGCCG
GAGGA	TAATC	CAAGT	TGCTA	ACCAA	TAGAA
GGCTC	TACGC	CGGGG	TTATA	CTCGG	CTACC
ATCTG	TTTAG	CATAC	CCCCT	GACAG	AGAGA
CCAGA	ACTTA	GCACA	GCTTG	TCCAC	CTGGC
CCGCA	AAACA	ATGTC	TGGGT	TCTTC	ACCTT
TGACC	TTGAT	AGCAT	GTTCA	CGTCA	ACGAG
AGGTA	ATTGT	CGAAT	CGGAC	TCGTG	GGCGT
TGTGA	GGTGC	CAGTT	GCGGC	CACTA	GGTCT
GTATT	ATCCT	GCGAT	CTTTT		

Group 2:64:

TAGGG	GCGTC	GTTTC	TTGGC	CCCCA	TTCGA
TAATT	AGGTG	GGGCG	CCAAT	CTAGT	ATTCC
TGCTG	GTCCG	TACCC	AGCAG	GTTCT	ACTCG
TTAAG	CCCGG	CGCCT	GATAG	TACAA	TCATA
CAGAG	TCCCT	CCTAA	GGAGA	CCACC	AGACC
CCGTT	TCTGC	CGATG	AGCGC	CGGTA	ACAGG
TATCA	ATGAT	CATGT	GCATT	CAGTC	CTTTG
TTGTT	TGAAC	TTTAC	GGCAA	GACTA	ACGAC
ACCAT	CAACA	AATAC	GACGT	ATAAA	GTAGC
GAGGC	AAACT	CTCTC	GCTCA	CGTGC	ATCTA
GGGAT	TTGCA	ACGGA	AGTAA		

Group 3:64:

ACGGT	CGGCA	ATACG	CCTTC	AACGC	CGCGC
CGACG	CGGGT	GTGAA	AGCAA	CTAGA	TCGTA
GAACT	TGTGC	GCCCC	TTCTT	TGCCT	TCAAG
CCTGG	TAAGG	TCCTC	ATCAC	CACTT	ACATT
GTTGT	TTAGC	CACAG	GCATA	AAATC	CTAAT
GCAGC	GAGAC	GGTAG	TGACA	AATAT	TATTC
TTGCG	GCTAT	TGGAT	GATGG	ATGTT	TACCA
ATTTG	TCTCG	CTTTA	ATTGA	CTCCC	AGGCC
GTCGG	GGTTA	AAGCG	GGGCT	TCCGT	AGCTG
CATCC	AGAGG	GAGTG	GTGTC	AAAAA	CCCAA
CGATT	AGTAC	TAGGA	TGGTG		

Group 4:64:

TAAAT	CGTAT	AAAAG	CAAGA	ACGAT	GAACA
TTCGC	AACGG	TATGA	ATCAA	TCCAA	CGCGT
CAGAA	AACCT	GCGCA	GAGGG	AATGT	ATGCC
CTGGT	ACTCA	GAGTT	AAGTA	CAGCC	TGTAC
CAATC	AGCTC	GCAAC	ATGGA	TAGCA	TCTCT
GCCGT	CTACG	CTTAC	GTTAG	CCTGC	CGTCG
TTCCG	TCGGG	GACAC	ACATG	GGCGA	AGACT
GGATA	GTCCT	ATAAC	CCATT	CACTG	GATTC
CGCTA	CTTGA	ATTTC	GGGAG	CCGAG	CATCT
TGAGC	GGTCA	GTAGG	AGTGG	TCACC	CGCCC
GCTTT	TTATT	TGTTG	TTGTG		

Group 5:64:

GGGCC	TCTAG	ACCGA	GAAAT	CATAG	CCTCC
GTTAC	AACAA	TGCGC	CGGAA	ATGAA	TAAAA
ATAAG	CGCTT	ACGCA	ACTGT	TCCAT	AAGTG
CTTCG	CTGGG	AATCG	CAGCA	TTCTG	GCTAA
TGGTA	CCCCG	CTATA	AGCGG	GAACG	CACGG
TGTAT	GCCGC	TACCT	TACTA	TAGAC	GTGTT
AGATA	GACCC	TAGGT	AAGGC	ACACC	TTATC
TCATG	CCAAC	GTCGA	GCGTG	GTACA	CCTTA
CCGTC	ATTTT	GATTA	CATTC	CTGCT	CGAGC
TGACT	AGTTC	GGAGT	CCAGT	AGGAC	GTCAG
GGTGG	GATCT	ATCCC	TTTGA		

Group 6:64:

AGGCT	CATAT	GCCTA	GAAAC	TGATT	ACAGC
TCGTC	CAGAC	CCAAG	CGCAA	CAATA	CTCTG
CGGCG	GCCAG	AACGA	GGCCC	CTACT	ACTTC
CTCGC	GCGCG	TACCG	AGCAC	TGTAA	TGCGT
TTGAA	ATAGA	TTAGG	TAAAG	ACTAA	GAAGG
AAGCC	TATGC	TGTCG	CCCCC	TAGCT	AGATG
TATTA	TTTAT	CGTGT	GTCAT	AGTTT	AAAAT
CCGGT	TCGAT	ATTCG	GGACA	GGGTA	GAGGT
CGAAC	GCATC	GCTGA	GTGAG	CCTCA	TCACT
AGGAG	GATCC	GTTGG	TTCCA	CGGGA	ACCCT
CCTTG	CTTTC	CTGTT	TGGGC		

Group 7:64:

TCCGG	CGGGC	AAAAC	GGAAG	GACAA	TGCAC
GTCTC	CAATT	AGTGT	GCAGT	GGCCG	GCGAA
CGTTC	TGGCA	AGTAG	TTAAT	CGACT	CTTCA
AACTG	ACTTT	ACGGC	CTAAC	CGTAA	GACCT
ACCCC	ATAGG	CTTAG	TACAG	TCGGT	CACGC
GATAC	CTCGT	CATTA	TGAGA	AGACG	GTGGG
CCGTG	GTATA	GATTG	GGTGA	TAGTT	GGGTC
ATGTA	TCTAC	CAGCG	TCACA	TAAGC	AAGGA
ATCAT	TTGCC	ATTCT	GTACC	TCCTA	TGTTT
CGGAT	TTATG	TATCT	CCTGA	ACATA	TCGAG
GCGCT	TTGGA	CCAGG	AGCCA		

Group 8:64:

TTTTC	GCCCA	ATATC	GGAAA	GTTGA	CAGTA
AGTCC	CTGAC	TCACG	ACCAC	CGATC	TGAAT
AAAGA	CGTTA	CACAT	CCTCT	GATGC	CTAAG
CTACA	TATAA	GCGAC	GGGGG	CTCGA	GGCGC
GTCTT	ATTAT	TAATG	AGGAT	AATCA	TCTGT
CACCC	AACCG	AATAG	CGGCT	GAGAG	GTGTA
CCGAA	GTTCG	ACGCT	CCGCG	GGTTT	AAATT
AACTC	TCCTT	ATCGT	TTCAA	ACTTG	ATGGC
TCGGA	CCCTA	TAGCC	TGCCA	TTGGG	TATTT
GCATG	AGAAG	CGCAG	CAAGG	TGGAC	GAGCT
CCAGC	ACAAA	GCCGG	GTACT		

Group 9:64:

TAGTA	TATCC	GTAAC	ACGTT	TTTAA	CTTGT
ATACA	CACAA	AGGAA	ATAGC	TTACT	CACCT
CATCG	TTCGT	GCTTA	AACCA	CGCTG	TAGAG
CCCTT	GCCGA	AATTT	AGTCT	GCGCC	TCGCA
ATAAT	TAAAC	CTGTA	CGACC	TACGG	GGCGG
CCGGC	GATAT	CAGGT	CCAAA	TGGTC	TTCCC
ATCTC	AGGGC	GAATG	TGTCA	GTGAT	GGCCT
AGATT	ATGCG	ACTGA	TCATT	GAAGT	GGGTT
GCCAC	ACTAC	TCTGG	ACCCG	CGTAC	CTCAG
AAAGG	CATGA	TTTTG	GACTC	GTTGC	TGCAT
GCTAG	GGACG	TGAGG	GTGGA		

Group 10:64:

CCACG	GCAGA	AACGT	GAGAT	GGGCA	CGTTG
CCGTA	TGATA	GCCTG	TCCGA	AAGCA	GAATA
ATTCA	CGAGG	TGGGA	GGCTT	TGAAG	TGTCC
CCGCT	GCTGT	TAACT	ATCAG	TTCCT	CTCTA
TTACC	GGAAC	TCGCG	GTTAA	ATGAC	GATCG
GCAAT	GTGCT	ACTAG	AGGGT	AGCCG	CGCCA
TTTGG	ATGTG	CTGCC	TCTTT	CATGC	AAATG
TCTCA	ACACA	AGTGA	AGTAT	GTCAC	ACATC
GACGC	GGTTC	ATAGT	TACTG	CTGGA	GACCA
AGAGC	ACGGG	CAAAA	GTACG	CGCAT	TCGAC
TATAT	CTATT	GAGTC	CCTAC		

Group 11:64:

GAACC	AGCCT	AACAT	CACGT	GGGGC	CTCCA
GCTCG	ACAAG	GTCTG	GGCTA	TGTAG	ATATT
TCGTT	CCACT	GCCAT	ACCTA	CGCAC	TAATA
TGGCG	TTCGG	TACTC	TTGTC	AGGTC	TCCCA
CAGCT	GTTCC	ATTTA	GCGGA	GGAAT	TTTCT
CAAAC	ATCGC	GAGCG	TGTGT	TCAAC	TTCAT
TGATC	AGAGT	ACCGG	CGAGA	GCTTC	CAGTG
TTAAA	TACGA	CCGCC	ATTAC	AGACA	GGTAA
CGTGG	GACTT	CGGTT	GATGT	GCAGG	AATTG
TAGAT	AAGAA	CATCA	ATGCA	CCCTC	ATGGT
GTGAC	ACTGC	CTGAG	CTATG		

Group 12:64:

TGCTT	GAGCA	ATATG	TTACA	GGATC	ACACG
CTCAT	CTGTC	AGAAT	TATTG	TTTTT	GCAAA
ATTAA	TACGT	GCCCT	AAGAC	ACCCA	GTCTA
CTAAA	AGTCG	ACCTC	CGCGA	GGTAT	CGAGT
CCTAG	GTCCC	TTCAC	GTGCG	TGGCC	TCGCT
TGTTC	TCAAT	GATGA	AGCTA	GGCAC	CTTCT
GCGGT	ACGAA	ATCGG	CCGGG	TGGAA	TGTGG
CGTTT	AAGGG	GAAAG	GAAGC	AAATA	GGGTG
CACCG	TCAGC	CCATG	GCTCC	CTTGC	CACTC
AATCC	TCCAG	AAGTT	CATAA	CAACC	TCTTA
TGACG	CGGAG	GTAGT	ACAGA		

Group 13:64:

TTTGT	ATTAG	TAAGA	TCGAA	CGACA	ACGCC
AGAAA	GTAGA	AAGTC	CCTAT	GCGTA	CGTCC
ACCGT	TCTTG	GAATT	TCCCC	ATCCG	GCTGC
GTCAA	GATAA	GGTCG	TTCTC	TGGCT	AGGGG
GGGAC	CCATC	GTGGT	GTTTT	AACTA	TCGGC
AAACC	GGCCA	TGAGT	AATGA	CTCCT	GTGCC
CAGGC	TATAC	GACGG	AGGTT	AGCCC	TACAT
CAGAT	GCACG	GTGTG	GGCAT	CGCGG	TTTCA
CCCGA	AATCT	TGCAG	CTGAA	CGGTG	ACACT
CCCAC	TAGCG	CTAGG	CAAAG	TTAAC	ATTGC
GGAGC	ACCTG	TGTTA	GCTCT		

Group 14:64:

CGGTC	GCTGG	GTCGC	TTTCC	TTGTA	CACAC
GCGTT	ACAAC	CGTCT	ACTCT	CGAAA	AGTTG
CTTGG	AGCTT	ACGTA	AGTGC	TGGAG	AGTCA
CTCCG	TTAGT	GTAAT	TTACG	ACGCG	ACAGT
TCATC	ATCGA	CCCAT	CCCGC	GCAAG	TGCCC
TTCAG	GAAGA	AAACG	TAACA	CAAAT	ATGAG
AATAA	ATATA	TGCGA	GGCAG	GCTAC	CTATC
CCGGA	CACCA	GAGAA	CTGCA	CAGGG	GGGGA
TACTT	GGTGT	CATTG	GGACC	GACTG	ATGCT
GAGCC	TATGG	TCCTG	TAGGC	AAGGT	AATTC
GTTTA	CTGAT	GGATT	TCTAA		

Group 15:64:

AATTA	TAGTG	TATAG	GGGGT	GGTCC	TGAAA
CTTAA	AAGCT	CCCTG	CTGTG	GCCTT	CGAAG
CCTCG	ATGGG	TAACC	TTGGT	CATTT	CCATA
TAAGT	CGTGA	AGGGA	CTCAC	GGTTG	AGATC
TGTCT	ATCTT	GACAT	TCAGA	GGAGG	AAGAG
AGGCG	GTTAT	TGCGG	CCCGT	TTTCG	CACGA
GAATC	ATACC	CAACT	GCACT	TTGAC	ACTGG
GCCAA	CCGAT	TGCTC	GTGCA	GCGAG	GACCG
GAGTA	TCGCC	AGCGT	TTTTA	TCCGC	TCTAT
CGGCC	CTAGC	GTATG	ATCCA	AACAC	ACAAT
TTTGC	ACCAG	ACGTC	AATGC		

APPENDIX 4
Simulation Results

r300.0.0.out

```
Using pool D16
Using sequence r300

True Signal: fp=CTCGA pool=7
True Signal: fp=CTACG pool=1
True Signal: fp=CTACG pool=2
True Signal: fp=GTACC pool=0
True Signal: fp=ATCGC pool=1
True Signal: fp=GAATG pool=15
True Signal: fp=ATCGG pool=13
True Signal: fp=GTCGC pool=13
True Signal: fp=ACCCA pool=14
True Signal: fp=CTGGG pool=10
True Signal: fp=CAATT pool=3
True Signal: fp=GACAA pool=1
True Signal: fp=TACTA pool=3
True Signal: fp=ACCCC pool=6
True Signal: fp=AGACA pool=10
True Signal: fp=TTCCA pool=8
True Signal: fp=TTCCA pool=4
True Signal: fp=ACGCA pool=8
True Signal: fp=GACAC pool=2
True Signal: fp=CGACA pool=10
True Signal: fp=CGACA pool=11
True Signal: fp=CTACT pool=10
True Signal: fp=CCCCC pool=9
True Signal: fp=CCCCC pool=14
True Signal: fp=TTCCC pool=12
True Signal: fp=GCCCA pool=1
True Signal: fp=GAGAA pool=8
True Signal: fp=CCAGC pool=5
True Signal: fp=CAGAG pool=3
True Signal: fp=GCAGA pool=1
True Signal: fp=GCAGC pool=12
True Signal: fp=CGCGA pool=3
True Signal: fp=AGCGC pool=0
True Signal: fp=GGACC pool=1
True Signal: fp=CCAGG pool=7
True Signal: fp=TTAGG pool=1
True Signal: fp=GAGAG pool=1
True Signal: fp=TAAAA pool=11
True Signal: fp=AGCGG pool=4
True Signal: fp=ACTAA pool=15
True Signal: fp=CGGGC pool=4
True Signal: fp=ACTAC pool=4
True Signal: fp=ACTAC pool=7
True Signal: fp=AGGGG pool=9
```

```
True Signal: fp=AGGGG pool=5
True Signal: fp=TTTAA pool=15
True Signal: fp=GGGGC pool=7
True Signal: fp=CAGAT pool=11
True Signal: fp=CATGA pool=14
True Signal: fp=AATGC pool=1
True Signal: fp=CCCCT pool=13
True Signal: fp=GACAT pool=4
True Signal: fp=TCTTC pool=8
True Signal: fp=CCAGT pool=10
True Signal: fp=CCAGT pool=9
True Signal: fp=GCTAC pool=9
True Signal: fp=TTTAG pool=11
True Signal: fp=TGAGA pool=12
True Signal: fp=TGCCG pool=8
True Signal: fp=GCGCT pool=15
True Signal: fp=CGCGT pool=4
True Signal: fp=TGAGG pool=7
True Signal: fp=TCGGG pool=1
True Signal: fp=CGGGT pool=8
True Signal: fp=CGGGT pool=12
True Signal: fp=GGCGT pool=12
True Signal: fp=TATCA pool=4
True Signal: fp=ATATC pool=2
True Signal: fp=CTATC pool=6
True Signal: fp=GGGGT pool=11
True Signal: fp=GGGGT pool=14
True Signal: fp=TATCG pool=3
True Signal: fp=GCTAT pool=3
True Signal: fp=GATGT pool=0
True Signal: fp=TGGCT pool=6
True Signal: fp=CTCAA pool=15
True Signal: fp=ATCAG pool=6
True Signal: fp=CGATA pool=8
True Signal: fp=CTGAC pool=5
True Signal: fp=GTATT pool=11
True Signal: fp=ATGAG pool=8
True Signal: fp=GCCTC pool=0
True Signal: fp=GTGAA pool=2
True Signal: fp=GCGTA pool=0
True Signal: fp=GCGTA pool=9
True Signal: fp=GCCTG pool=12
True Signal: fp=GGATG pool=1
True Signal: fp=GTGAG pool=0
True Signal: fp=TTAAC pool=2
True Signal: fp=AAAGC pool=1
True Signal: fp=AAAGC pool=6
True Signal: fp=AAGCC pool=8
True Signal: fp=CTCAT pool=8
True Signal: fp=AGATT pool=12
True Signal: fp=CAGCC pool=10
True Signal: fp=CGCAC pool=4
```

```
True Signal: fp=AAAGG pool=1
True Signal: fp=GACCC pool=9
True Signal: fp=CCCTT pool=1
True Signal: fp=CGATT pool=11
True Signal: fp=GAAGC pool=5
True Signal: fp=TCATG pool=1
True Signal: fp=AGGAC pool=15
True Signal: fp=TGCTA pool=4
True Signal: fp=GAAGG pool=10
True Signal: fp=AATAA pool=2
True Signal: fp=TGCTG pool=9
True Signal: fp=GGCAG pool=1
True Signal: fp=GAGCG pool=3
True Signal: fp=CTTGG pool=1
True Signal: fp=ACAAT pool=6
True Signal: fp=ACTCA pool=7
True Signal: fp=TCCAC pool=10
True Signal: fp=AATAG pool=13
True Signal: fp=GATAA pool=1
True Signal: fp=TACGA pool=6
True Signal: fp=TATTC pool=2
True Signal: fp=CCTCC pool=3
True Signal: fp=TAACG pool=14
True Signal: fp=AAGCT pool=12
True Signal: fp=AAGCT pool=5
True Signal: fp=ACTCG pool=15
True Signal: fp=CAGCT pool=9
True Signal: fp=TCCAG pool=8
True Signal: fp=TCCAG pool=2
True Signal: fp=CGCAT pool=11
True Signal: fp=TCGAC pool=9
True Signal: fp=TCGAC pool=13
True Signal: fp=GCTCA pool=5
True Signal: fp=AGGAT pool=8
True Signal: fp=TAGGA pool=15
True Signal: fp=AGTGA pool=14
True Signal: fp=TAGGC pool=13
True Signal: fp=TACGG pool=7
True Signal: fp=TAGGG pool=13
True Signal: fp=AATAT pool=13
True Signal: fp=GGTGC pool=1
True Signal: fp=GGTGC pool=4
True Signal: fp=TCCAT pool=9
True Signal: fp=TGAAT pool=10
True Signal: fp=TATTT pool=6
True Signal: fp=TGTCC pool=10
True Signal: fp=AACTA pool=11
True Signal: fp=AACTA pool=3
True Signal: fp=CACTC pool=7
True Signal: fp=CTCCA pool=6
True Signal: fp=AAGTA pool=7
True Signal: fp=CAGTA pool=8
```

```
True Signal: fp=GACTC pool=14
True Signal: fp=GTCCA pool=3
True Signal: fp=CTGCA pool=11
True Signal: fp=ATAGG pool=12
True Signal: fp=GTAGA pool=8
True Signal: fp=GTAGA pool=9
True Signal: fp=TGTCT pool=0
True Signal: fp=CAGTG pool=15
True Signal: fp=GTAGC pool=14
True Signal: fp=GTGCC pool=10
True Signal: fp=CAAAC pool=11
True Signal: fp=GTAGG pool=3
True Signal: fp=AAAAG pool=0
True Signal: fp=AAAAG pool=2
True Signal: fp=ACACG pool=5
True Signal: fp=GAAAG pool=14
True Signal: fp=CCCGA pool=15
True Signal: fp=AGCCC pool=10
True Signal: fp=AGAGA pool=13
True Signal: fp=ATGCT pool=6
True Signal: fp=AGAGC pool=14
True Signal: fp=GCTTA pool=9
True Signal: fp=AGGCC pool=12
True Signal: fp=CGGCA pool=10
True Signal: fp=GCCGA pool=7
True Signal: fp=CCTTG pool=2
True Signal: fp=GCTTC pool=5
True Signal: fp=TTCGC pool=10
True Signal: fp=GCACG pool=10
True Signal: fp=TTGGC pool=12
True Signal: fp=GTGCT pool=9
True Signal: fp=ACGGG pool=11
True Signal: fp=ACGGG pool=3
True Signal: fp=GCGGC pool=11
True Signal: fp=TAGAA pool=15
True Signal: fp=CCACT pool=13
True Signal: fp=GGGCG pool=2
True Signal: fp=TCAGA pool=9
True Signal: fp=CGTAA pool=6
True Signal: fp=TAGAC pool=11
True Signal: fp=CTTAT pool=13
True Signal: fp=AGCCT pool=0
True Signal: fp=CGTAC pool=7
True Signal: fp=CATCG pool=7
True Signal: fp=TCGCA pool=7
True Signal: fp=TCCCG pool=11
True Signal: fp=AGTAG pool=9
True Signal: fp=AGGCT pool=10
True Signal: fp=GGCCT pool=8
True Signal: fp=TCGCG pool=5
True Signal: fp=GGTAG pool=10
True Signal: fp=GGTAG pool=3
```

```
True Signal: fp=GGGCT pool=8
True Signal: fp=TGGGG pool=1
True Signal: fp=AGTAT pool=0
True Signal: fp=ATGTC pool=9
True Signal: fp=TGACT pool=9
True Signal: fp=CTGTC pool=11
True Signal: fp=GTCTC pool=4
True Signal: fp=CTGTG pool=3
True Signal: fp=CTAAA pool=14
True Signal: fp=ACATC pool=13
True Signal: fp=GTAAA pool=13
True Signal: fp=ATAAG pool=13
True Signal: fp=AGCTA pool=4
True Signal: fp=GTCTT pool=13
True Signal: fp=AGCTG pool=3
True Signal: fp=AGGTC pool=1
True Signal: fp=CGCTG pool=12
True Signal: fp=GGCTC pool=14
True Signal: fp=AGGTG pool=8
True Signal: fp=GGGTA pool=10
True Signal: fp=GGGTA pool=15
True Signal: fp=GGCTG pool=2
True Signal: fp=GGGTC pool=10
True Signal: fp=CGAAA pool=3
True Signal: fp=ATTCA pool=13
True Signal: fp=ATTCA pool=6
True Signal: fp=TTCAA pool=9
True Signal: fp=TTCAA pool=12
True Signal: fp=AACGA pool=11
True Signal: fp=ACGAA pool=13
True Signal: fp=ATTCC pool=2
True Signal: fp=CCGAA pool=12
True Signal: fp=CCGAA pool=14
True Signal: fp=CATTC pool=13
True Signal: fp=CCATT pool=11
True Signal: fp=GGGTG pool=6
True Signal: fp=AGAAG pool=0
True Signal: fp=CCCAG pool=3
True Signal: fp=CCCAG pool=5
True Signal: fp=CACGC pool=10
True Signal: fp=CTTCC pool=14
True Signal: fp=CTTCC pool=6
True Signal: fp=TTATT pool=0
True Signal: fp=GATTC pool=12
True Signal: fp=GATTC pool=14
True Signal: fp=CAGGA pool=15
True Signal: fp=GCATT pool=15
True Signal: fp=AGCTT pool=4
True Signal: fp=ATTCG pool=9
True Signal: fp=ATTCG pool=5
True Signal: fp=CGAAG pool=14
True Signal: fp=CACGG pool=9
```

True Signal: fp=AAGGG pool=13
True Signal: fp=GAGGC pool=11
True Signal: fp=GGCTT pool=11
True Signal: fp=AAACT pool=4
True Signal: fp=TCAAA pool=4
True Signal: fp=TCAAC pool=5
True Signal: fp=CAACT pool=4
True Signal: fp=AGAAT pool=10
True Signal: fp=AATTT pool=8
True Signal: fp=TACCC pool=5
True Signal: fp=ACGAT pool=1
True Signal: fp=CGAAT pool=12
True Signal: fp=TAAGG pool=1
True Signal: fp=AAGGT pool=9
True Signal: fp=AAGGT pool=12
True Signal: fp=GCTGA pool=12
True Signal: fp=TGCAG pool=5
True Signal: fp=TAGCG pool=5
True Signal: fp=GCGAT pool=14
True Signal: fp=GCTGC pool=10
True Signal: fp=GCTGG pool=1
True Signal: fp=GGTCG pool=0
True Signal: fp=TCAAT pool=4
True Signal: fp=TAAGT pool=2
True Signal: fp=CCTGT pool=5
True Signal: fp=TCTCG pool=12
True Signal: fp=TGTGA pool=9
True Signal: fp=GCTGT pool=2
True Signal: fp=GGTCT pool=13
True Signal: fp=CAATA pool=7
True Signal: fp=GAATA pool=0
True Signal: fp=GAATA pool=15
True Signal: fp=ATTTA pool=1
True Signal: fp=ATTTA pool=12

SEQ ID NO:42
GGTAGGGGTA GACATCGCGT AAAAGGGGCG TACCCAGGAC CCCCCTTGGC
TCAATAAGTA GCGCTGGGGT GCTACTACGG GTCTCGACAC GCATTCAACT
AAAAGCTTCC ATTCGCACGG GCTTATTTAA CGAAGGTCGC GATAAGGTGC
CGAATAGGCT GCAGAGCGGC AGCCTGTCCA GTGAATGCTG TGAGGCCTCC
AGCTGACTCA TGAGAGAAGC CCAGTATTCA AACTACGATT CCACTCGACA
ATTTAGGATG TCTTCCCGAA AGCTATCGGG TAGAATATCA GATTCGTTTA

DotsOn=286

SEQ ID NO:43
GGTAGGGGTA GACATCGCGT AAAAGGGGCG TACCCAGGAC CCCCCTTGGC
TCAATAAGTA GCGCTGGGGT GCTACTACGG GTCTCGACAC GCATTCAACT
AAAAGCTTCC ATTCGCACGG GCTTATTTAA CGAAGGTCGC GATAAGGTGC
CGAATAGGCT GCAGAGCGGC AGCCTGTCCA GTGAATGCTG TGAGGCCTCC
AGCTGACTCA TGAGAGAAGC CCAGTATTCA AACTACGATT CCACTCGACA
ATTTAGGATG TCTTCCCGAA AGCTATCGGG TAGAATATCA GATTCGTTTG

DotsOn=286

SEQ ID NO:44
GGTAGGGGTA GACATCGCGT AAAAGGGGCG TACCCAGGAC CCCCCTTGGC
TCAATAAGTA GCGCTGGGGT GCTACTACGG GTCTCGACAC GCATTCAACT
AAAAGCTTCC ATTCGCACGG GCTTATTTAA CGAAGGTCGC GATAAGGTGC
CGAATAGGCT GCAGAGCGGC AGCCTGTCCA GTGAATGCTG TGAGGCCTCC
AGCTGACTCA TGAGAGAAGC CCAGTATTCA AACTACGATT CCACTCGACA
ATTTAGGATG TCTTCCCGAA AGCTATCGGG TAGAATATCA GATTCGTTTT

DotsOn=286

SEQ ID NO:45
GTAGGGGTAG ACATCGCGTA AAAGGGGCGT ACCCAGGACC CCCCTTGGCT
CAATAAGTAG CGCTGGGGTG CTACTACGGG TCTCGACACG CATTCAACTA
AAAGCTTCCA TTCGCACGGG CTTATTTAAC GAAGGTCGCG ATAAGGTGCC
GAATAGGCTG CAGAGCGGCA GCCTGTCCAG TGAATGCTGT GAGGCCTCCA
GCTGACTCAT GAGAGAAGCC CAGTATTCAA ACTACGATTC CACTCGACAA
TTTAGGATGT CTTCCCGAAA GCTATCGGGT AGAATATCAG ATTCGTTTAA

True solution DotsOn=286

SEQ ID NO:46
GTAGGGGTAG ACATCGCGTA AAAGGGGCGT ACCCAGGACC CCCCTTGGCT
CAATAAGTAG CGCTGGGGTG CTACTACGGG TCTCGACACG CATTCAACTA
AAAGCTTCCA TTCGCACGGG CTTATTTAAC GAAGGTCGCG ATAAGGTGCC
GAATAGGCTG CAGAGCGGCA GCCTGTCCAG TGAATGCTGT GAGGCCTCCA
GCTGACTCAT GAGAGAAGCC CAGTATTCAA ACTACGATTC CACTCGACAA
TTTAGGATGT CTTCCCGAAA GCTATCGGGT AGAATATCAG ATTCGTTTTG

DotsOn=286

Solutions: 5

r300.100.0.out

```
Using pool D16
Using sequence r300

True Signal: fp=CTCGA pool=7
True Signal: fp=CTACG pool=1
True Signal: fp=CTACG pool=2
True Signal: fp=GTACC pool=0
True Signal: fp=ATCGC pool=1
True Signal: fp=GAATG pool=15
True Signal: fp=ATCGG pool=13
True Signal: fp=GTCGC pool=13
True Signal: fp=ACCCA pool=14
True Signal: fp=CTGGG pool=10
True Signal: fp=CAATT pool=3
True Signal: fp=GACAA pool=1
True Signal: fp=TACTA pool=3
True Signal: fp=ACCCC pool=6
True Signal: fp=AGACA pool=10
True Signal: fp=TTCCA pool=8
True Signal: fp=TTCCA pool=4
True Signal: fp=ACGCA pool=8
True Signal: fp=GACAC pool=2
True Signal: fp=CGACA pool=10
True Signal: fp=CGACA pool=11
True Signal: fp=CTACT pool=10
True Signal: fp=CCCCC pool=9
True Signal: fp=CCCCC pool=14
True Signal: fp=TTCCC pool=12
True Signal: fp=GCCCA pool=1
True Signal: fp=GAGAA pool=8
True Signal: fp=CCAGC pool=5
True Signal: fp=CAGAG pool=3
True Signal: fp=GCAGA pool=1
True Signal: fp=GCAGC pool=12
True Signal: fp=CGCGA pool=3
True Signal: fp=AGCGC pool=0
True Signal: fp=GGACC pool=1
True Signal: fp=CCAGG pool=7
True Signal: fp=TTAGG pool=1
True Signal: fp=GAGAG pool=1
True Signal: fp=TAAAA pool=11
True Signal: fp=AGCGG pool=4
True Signal: fp=ACTAA pool=15
True Signal: fp=CGGGC pool=4
True Signal: fp=ACTAC pool=4
True Signal: fp=ACTAC pool=7
True Signal: fp=AGGGG pool=9
True Signal: fp=AGGGG pool=5
True Signal: fp=TTTAA pool=15
True Signal: fp=GGGGC pool=7
```

```
True Signal: fp=CAGAT pool=11
True Signal: fp=CATGA pool=14
True Signal: fp=AATGC pool=1
True Signal: fp=CCCCT pool=13
True Signal: fp=GACAT pool=4
True Signal: fp=TCTTC pool=8
True Signal: fp=CCAGT pool=10
True Signal: fp=CCAGT pool=9
True Signal: fp=GCTAC pool=9
True Signal: fp=TTTAG pool=11
True Signal: fp=TGAGA pool=12
True Signal: fp=TGCCG pool=8
True Signal: fp=GCGCT pool=15
True Signal: fp=CGCGT pool=4
True Signal: fp=TGAGG pool=7
True Signal: fp=TCGGG pool=1
True Signal: fp=CGGGT pool=8
True Signal: fp=CGGGT pool=12
True Signal: fp=GGCGT pool=12
True Signal: fp=TATCA pool=4
True Signal: fp=ATATC pool=2
True Signal: fp=CTATC pool=6
True Signal: fp=GGGGT pool=11
True Signal: fp=GGGGT pool=14
True Signal: fp=TATCG pool=3
True Signal: fp=GCTAT pool=3
True Signal: fp=GATGT pool=0
True Signal: fp=TGGCT pool=6
True Signal: fp=CTCAA pool=15
True Signal: fp=ATCAG pool=6
True Signal: fp=CGATA pool=8
True Signal: fp=CTGAC pool=5
True Signal: fp=GTATT pool=11
True Signal: fp=ATGAG pool=8
True Signal: fp=GCCTC pool=0
True Signal: fp=GTGAA pool=2
True Signal: fp=GCGTA pool=0
True Signal: fp=GCGTA pool=9
True Signal: fp=GCCTG pool=12
True Signal: fp=GGATG pool=1
True Signal: fp=GTGAG pool=0
True Signal: fp=TTAAC pool=2
True Signal: fp=AAAGC pool=1
True Signal: fp=AAAGC pool=6
True Signal: fp=AAGCC pool=8
True Signal: fp=CTCAT pool=8
True Signal: fp=AGATT pool=12
True Signal: fp=CAGCC pool=10
True Signal: fp=CGCAC pool=4
True Signal: fp=AAAGG pool=1
True Signal: fp=GACCC pool=9
True Signal: fp=CCCTT pool=1
```

```
True Signal: fp=CGATT pool=11
True Signal: fp=GAAGC pool=5
True Signal: fp=TCATG pool=1
True Signal: fp=AGGAC pool=15
True Signal: fp=TGCTA pool=4
True Signal: fp=GAAGG pool=10
True Signal: fp=AATAA pool=2
True Signal: fp=TGCTG pool=9
True Signal: fp=GGCAG pool=1
True Signal: fp=GAGCG pool=3
True Signal: fp=CTTGG pool=1
True Signal: fp=ACAAT pool=6
True Signal: fp=ACTCA pool=7
True Signal: fp=TCCAC pool=10
True Signal: fp=AATAG pool=13
True Signal: fp=GATAA pool=1
True Signal: fp=TACGA pool=6
True Signal: fp=TATTC pool=2
True Signal: fp=CCTCC pool=3
True Signal: fp=TAACG pool=14
True Signal: fp=AAGCT pool=12
True Signal: fp=AAGCT pool=5
True Signal: fp=ACTCG pool=15
True Signal: fp=CAGCT pool=9
True Signal: fp=TCCAG pool=8
True Signal: fp=TCCAG pool=2
True Signal: fp=CGCAT pool=11
True Signal: fp=TCGAC pool=9
True Signal: fp=TCGAC pool=13
True Signal: fp=GCTCA pool=5
True Signal: fp=AGGAT pool=8
True Signal: fp=TAGGA pool=15
True Signal: fp=AGTGA pool=14
True Signal: fp=TAGGC pool=13
True Signal: fp=TACGG pool=7
True Signal: fp=TAGGG pool=13
True Signal: fp=AATAT pool=13
True Signal: fp=GGTGC pool=1
True Signal: fp=GGTGC pool=4
True Signal: fp=TCCAT pool=9
True Signal: fp=TGAAT pool=10
True Signal: fp=TATTT pool=6
True Signal: fp=TGTCC pool=10
True Signal: fp=AACTA pool=11
True Signal: fp=AACTA pool=3
True Signal: fp=CACTC pool=7
True Signal: fp=CTCCA pool=6
True Signal: fp=AAGTA pool=7
True Signal: fp=CAGTA pool=8
True Signal: fp=GACTC pool=14
True Signal: fp=GTCCA pool=3
True Signal: fp=CTGCA pool=11
```

```
True Signal: fp=ATAGG pool=12
True Signal: fp=GTAGA pool=8
True Signal: fp=GTAGA pool=9
True Signal: fp=TGTCT pool=0
True Signal: fp=CAGTG pool=15
True Signal: fp=GTAGC pool=14
True Signal: fp=GTGCC pool=10
True Signal: fp=CAAAC pool=11
True Signal: fp=GTAGG pool=3
True Signal: fp=AAAAG pool=0
True Signal: fp=AAAAG pool=2
True Signal: fp=ACACG pool=5
True Signal: fp=GAAAG pool=14
True Signal: fp=CCCGA pool=15
True Signal: fp=AGCCC pool=10
True Signal: fp=AGAGA pool=13
True Signal: fp=ATGCT pool=6
True Signal: fp=AGAGC pool=14
True Signal: fp=GCTTA pool=9
True Signal: fp=AGGCC pool=12
True Signal: fp=CGGCA pool=10
True Signal: fp=GCCGA pool=7
True Signal: fp=CCTTG pool=2
True Signal: fp=GCTTC pool=5
True Signal: fp=TTCGC pool=10
True Signal: fp=GCACG pool=10
True Signal: fp=TTGGC pool=12
True Signal: fp=GTGCT pool=9
True Signal: fp=ACGGG pool=11
True Signal: fp=ACGGG pool=3
True Signal: fp=GCGGC pool=11
True Signal: fp=TAGAA pool=15
True Signal: fp=CCACT pool=13
True Signal: fp=GGGCG pool=2
True Signal: fp=TCAGA pool=9
True Signal: fp=CGTAA pool=6
True Signal: fp=TAGAC pool=11
True Signal: fp=CTTAT pool=13
True Signal: fp=AGCCT pool=0
True Signal: fp=CGTAC pool=7
True Signal: fp=CATCG pool=7
True Signal: fp=TCGCA pool=7
True Signal: fp=TCCCG pool=11
True Signal: fp=AGTAG pool=9
True Signal: fp=AGGCT pool=10
True Signal: fp=GGCCT pool=8
True Signal: fp=TCGCG pool=5
True Signal: fp=GGTAG pool=10
True Signal: fp=GGTAG pool=3
True Signal: fp=GGGCT pool=8
True Signal: fp=TGGGG pool=1
True Signal: fp=AGTAT pool=0
```

```
True Signal: fp=ATGTC pool=9
True Signal: fp=TGACT pool=9
True Signal: fp=CTGTC pool=11
True Signal: fp=GTCTC pool=4
True Signal: fp=CTGTG pool=3
True Signal: fp=CTAAA pool=14
True Signal: fp=ACATC pool=13
True Signal: fp=GTAAA pool=13
True Signal: fp=ATAAG pool=13
True Signal: fp=AGCTA pool=4
True Signal: fp=GTCTT pool=13
True Signal: fp=AGCTG pool=3
True Signal: fp=AGGTC pool=1
True Signal: fp=CGCTG pool=12
True Signal: fp=GGCTC pool=14
True Signal: fp=AGGTG pool=8
True Signal: fp=GGGTA pool=10
True Signal: fp=GGGTA pool=15
True Signal: fp=GGCTG pool=2
True Signal: fp=GGGTC pool=10
True Signal: fp=CGAAA pool=3
True Signal: fp=ATTCA pool=13
True Signal: fp=ATTCA pool=6
True Signal: fp=TTCAA pool=9
True Signal: fp=TTCAA pool=12
True Signal: fp=AACGA pool=11
True Signal: fp=ACGAA pool=13
True Signal: fp=ATTCC pool=2
True Signal: fp=CCGAA pool=12
True Signal: fp=CCGAA pool=14
True Signal: fp=CATTC pool=13
True Signal: fp=CCATT pool=11
True Signal: fp=GGGTG pool=6
True Signal: fp=AGAAG pool=0
True Signal: fp=CCCAG pool=3
True Signal: fp=CCCAG pool=5
True Signal: fp=CACGC pool=10
True Signal: fp=CTTCC pool=14
True Signal: fp=CTTCC pool=6
True Signal: fp=TTATT pool=0
True Signal: fp=GATTC pool=12
True Signal: fp=GATTC pool=14
True Signal: fp=CAGGA pool=15
True Signal: fp=GCATT pool=15
True Signal: fp=AGCTT pool=4
True Signal: fp=ATTCG pool=9
True Signal: fp=ATTCG pool=5
True Signal: fp=CGAAG pool=14
True Signal: fp=CACGG pool=9
True Signal: fp=AAGGG pool=13
True Signal: fp=GAGGC pool=11
True Signal: fp=GGCTT pool=11
```

```
True Signal: fp=AAACT pool=4
True Signal: fp=TCAAA pool=4
True Signal: fp=TCAAC pool=5
True Signal: fp=CAACT pool=4
True Signal: fp=AGAAT pool=10
True Signal: fp=AATTT pool=8
True Signal: fp=TACCC pool=5
True Signal: fp=ACGAT pool=1
True Signal: fp=CGAAT pool=12
True Signal: fp=TAAGG pool=1
True Signal: fp=AAGGT pool=9
True Signal: fp=AAGGT pool=12
True Signal: fp=GCTGA pool=12
True Signal: fp=TGCAG pool=5
True Signal: fp=TAGCG pool=5
True Signal: fp=GCGAT pool=14
True Signal: fp=GCTGC pool=10
True Signal: fp=GCTGG pool=1
True Signal: fp=GGTCG pool=0
True Signal: fp=TCAAT pool=4
True Signal: fp=TAAGT pool=2
True Signal: fp=CCTGT pool=5
True Signal: fp=TCTCG pool=12
True Signal: fp=TGTGA pool=9
True Signal: fp=GCTGT pool=2
True Signal: fp=GGTCT pool=13
True Signal: fp=CAATA pool=7
True Signal: fp=GAATA pool=0
True Signal: fp=GAATA pool=15
True Signal: fp=ATTTA pool=1
True Signal: fp=ATTTA pool=12
False positive Signal: fp=CTCTG pool=11
False positive Signal: fp=AACAT pool=6
False positive Signal: fp=GTGTC pool=0
False positive Signal: fp=GTACT pool=0
False positive Signal: fp=GAGAT pool=14
False positive Signal: fp=GGTTG pool=9
False positive Signal: fp=CTTTT pool=6
False positive Signal: fp=AGTAA pool=8
False positive Signal: fp=GCGGC pool=11
False positive Signal: fp=ATATA pool=11
False positive Signal: fp=CAAGA pool=9
False positive Signal: fp=GGGTT pool=10
False positive Signal: fp=CACCT pool=1
False positive Signal: fp=AAATA pool=0
False positive Signal: fp=AGCAT pool=6
False positive Signal: fp=GTGAT pool=11
False positive Signal: fp=GGTAG pool=6
False positive Signal: fp=GACTT pool=3
False positive Signal: fp=CCGGA pool=14
False positive Signal: fp=CGATC pool=15
False positive Signal: fp=CTTGT pool=0
```

False positive Signal: fp=CGGCC pool=6
False positive Signal: fp=GCGGA pool=5
False positive Signal: fp=ACATA pool=9
False positive Signal: fp=TGATA pool=9
False positive Signal: fp=ATAGC pool=10
False positive Signal: fp=CTGGT pool=10
False positive Signal: fp=ATCCC pool=8
False positive Signal: fp=ATTAG pool=6
False positive Signal: fp=AGCTA pool=5
False positive Signal: fp=GGCGG pool=12
False positive Signal: fp=TATCA pool=1
False positive Signal: fp=TCAGG pool=4
False positive Signal: fp=GATAG pool=9
False positive Signal: fp=TTGGT pool=2
False positive Signal: fp=TGACG pool=9
False positive Signal: fp=CCCTC pool=0
False positive Signal: fp=AGATG pool=10
False positive Signal: fp=CCGGC pool=14
False positive Signal: fp=TATAT pool=11
False positive Signal: fp=CATTA pool=14
False positive Signal: fp=GAGTA pool=10
False positive Signal: fp=TATAA pool=11
False positive Signal: fp=CGGTG pool=11
False positive Signal: fp=CCCTA pool=10
False positive Signal: fp=GCATA pool=14
False positive Signal: fp=TGGTC pool=0
False positive Signal: fp=AGGTT pool=11
False positive Signal: fp=CATAC pool=15
False positive Signal: fp=TCAGC pool=10
False positive Signal: fp=GGACT pool=12
False positive Signal: fp=TGCTC pool=13
False positive Signal: fp=CCATA pool=1
False positive Signal: fp=AATTA pool=13
False positive Signal: fp=GCGAA pool=15
False positive Signal: fp=ACCGG pool=11
False positive Signal: fp=GTTCA pool=2
False positive Signal: fp=AGTAC pool=7
False positive Signal: fp=GAGTC pool=6
False positive Signal: fp=GTGCT pool=12
False positive Signal: fp=TCACT pool=9
False positive Signal: fp=CTACA pool=8
False positive Signal: fp=GACGA pool=2
False positive Signal: fp=GGTCG pool=9
False positive Signal: fp=CTCAA pool=15
False positive Signal: fp=TCACT pool=15
False positive Signal: fp=AGATC pool=12
False positive Signal: fp=GTCGG pool=10
False positive Signal: fp=GGGGA pool=5
False positive Signal: fp=TGGAG pool=1
False positive Signal: fp=GGAGT pool=9
False positive Signal: fp=TGCCA pool=7
False positive Signal: fp=AAATC pool=13

```
False positive Signal: fp=ACCGT pool=9
False positive Signal: fp=GACGC pool=8
False positive Signal: fp=TAAGT pool=4
False positive Signal: fp=TGACC pool=10
False positive Signal: fp=GGATC pool=11
False positive Signal: fp=GAAGG pool=7
False positive Signal: fp=CGATT pool=10
False positive Signal: fp=GCTAG pool=10
False positive Signal: fp=GTGGC pool=12
False positive Signal: fp=GAATC pool=13
False positive Signal: fp=CCATG pool=4
False positive Signal: fp=GATCA pool=10
False positive Signal: fp=CAGTA pool=3
False positive Signal: fp=CAACT pool=4
False positive Signal: fp=CGCCA pool=2
False positive Signal: fp=TATAG pool=1
False positive Signal: fp=TACTG pool=1
False positive Signal: fp=AAAGC pool=4
False positive Signal: fp=CGACG pool=14
False positive Signal: fp=GTACT pool=3
False positive Signal: fp=TAATG pool=7
False positive Signal: fp=CGCAC pool=10
False positive Signal: fp=GCCTC pool=0
False positive Signal: fp=AATTT pool=1
False positive Signal: fp=CTCAC pool=14
False positive Signal: fp=AGTCA pool=12
False positive Signal: fp=CAGAT pool=14
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285mers:24
286mers:22
287mers:21
288mers:19
289mers:17
290mers:17
291mers:15
292mers:14
293mers:12
294mers:10

295mers:9
296mers:8
297mers:7
298mers:6
299mers:5
300mers:3

SEQ ID NO:47
GTAGGGGTAG ACATCGCGTA AAAGGGGCGT ACCCAGGACC CCCCTTGGCT
CAATAAGTAG CGCTGGGGTG CTACTACGGG TCTCGACACG CATTCAACTA
AAAGCTTCCA TTCGCACGGG CTTATTTAAC GAAGGTCGCG ATAAGGTGCC
GAATAGGCTG CAGAGCGGCA GCCTGTCCAG TGAATGCTGT GAGGCCTCCA
GCTGACTCAT GAGAGAAGCC CAGTATTCAA ACTACGATTC CACTCGACAA
TTTAGGATGT CTTCCCGAAA GCTATCGGGT AGAATATCAG ATTCGTTTAA

True solution DotsOn=286

SEQ ID NO:48
GGTAGGGGTA GACATCGCGT AAAAGGGGCG TACCCAGGAC CCCCCTTGGC
TCAATAAGTA GCGCTGGGGT GCTACTACGG GTCTCGACAC GCATTCAACT
AAAAGCTTCC ATTCGCACGG GCTTATTTAA CGAAGGTCGC GATAAGGTGC
CGAATAGGCT GCAGAGCGGC AGCCTGTCCA GTGAATGCTG TGAGGCCTCC
AGCTGACTCA TGAGAGAAGC CCAGTATTCA AACTACGATT CCACTCGACA
ATTTAGGATG TCTTCCCGAA AGCTATCGGG TAGAATATCA GATTCGTTTA

DotsOn=286

Solutions: 2

r300.300.0.out

Using pool D16
Using sequence r300

True Signal: fp=CTCGA pool=7
True Signal: fp=CTACG pool=1
True Signal: fp=CTACG pool=2
True Signal: fp=GTACC pool=0
True Signal: fp=ATCGC pool=1
True Signal: fp=GAATG pool=15
True Signal: fp=ATCGG pool=13
True Signal: fp=GTCGC pool=13
True Signal: fp=ACCCA pool=14
True Signal: fp=CTGGG pool=10
True Signal: fp=CAATT pool=3
True Signal: fp=GACAA pool=1
True Signal: fp=TACTA pool=3
True Signal: fp=ACCCC pool=6
True Signal: fp=AGACA pool=10
True Signal: fp=TTCCA pool=8
True Signal: fp=TTCCA pool=4
True Signal: fp=ACGCA pool=8

```
True Signal: fp=GACAC pool=2
True Signal: fp=CGACA pool=10
True Signal: fp=CGACA pool=11
True Signal: fp=CTACT pool=10
True Signal: fp=CCCCC pool=9
True Signal: fp=CCCCC pool=14
True Signal: fp=TTCCC pool=12
True Signal: fp=GCCCA pool=1
True Signal: fp=GAGAA pool=8
True Signal: fp=CCAGC pool=5
True Signal: fp=CAGAG pool=3
True Signal: fp=GCAGA pool=1
True Signal: fp=GCAGC pool=12
True Signal: fp=CGCGA pool=3
True Signal: fp=AGCGC pool=0
True Signal: fp=GGACC pool=1
True Signal: fp=CCAGG pool=7
True Signal: fp=TTAGG pool=1
True Signal: fp=GAGAG pool=1
True Signal: fp=TAAAA pool=11
True Signal: fp=AGCGG pool=4
True Signal: fp=ACTAA pool=15
True Signal: fp=CGGGC pool=4
True Signal: fp=ACTAC pool=4
True Signal: fp=ACTAC pool=7
True Signal: fp=AGGGG pool=9
True Signal: fp=AGGGG pool=5
True Signal: fp=TTTAA pool=15
True Signal: fp=GGGGC pool=7
True Signal: fp=CAGAT pool=11
True Signal: fp=CATGA pool=14
True Signal: fp=AATGC pool=1
True Signal: fp=CCCCT pool=13
True Signal: fp=GACAT pool=4
True Signal: fp=TCTTC pool=8
True Signal: fp=CCAGT pool=10
True Signal: fp=CCAGT pool=9
True Signal: fp=GCTAC pool=9
True Signal: fp=TTTAG pool=11
True Signal: fp=TGAGA pool=12
True Signal: fp=TGCCG pool=8
True Signal: fp=GCGCT pool=15
True Signal: fp=CGCGT pool=4
True Signal: fp=TGAGG pool=7
True Signal: fp=TCGGG pool=1
True Signal: fp=CGGGT pool=8
True Signal: fp=CGGGT pool=12
True Signal: fp=GGCGT pool=12
True Signal: fp=TATCA pool=4
True Signal: fp=ATATC pool=2
True Signal: fp=CTATC pool=6
True Signal: fp=GGGGT pool=11
```

```
True Signal: fp=GGGGT pool=14
True Signal: fp=TATCG pool=3
True Signal: fp=GCTAT pool=3
True Signal: fp=GATGT pool=0
True Signal: fp=TGGCT pool=6
True Signal: fp=CTCAA pool=15
True Signal: fp=ATCAG pool=6
True Signal: fp=CGATA pool=8
True Signal: fp=CTGAC pool=5
True Signal: fp=GTATT pool=11
True Signal: fp=ATGAG pool=8
True Signal: fp=GCCTC pool=0
True Signal: fp=GTGAA pool=2
True Signal: fp=GCGTA pool=0
True Signal: fp=GCGTA pool=9
True Signal: fp=GCCTG pool=12
True Signal: fp=GGATG pool=1
True Signal: fp=GTGAG pool=0
True Signal: fp=TTAAC pool=2
True Signal: fp=AAAGC pool=1
True Signal: fp=AAAGC pool=6
True Signal: fp=AAGCC pool=8
True Signal: fp=CTCAT pool=8
True Signal: fp=AGATT pool=12
True Signal: fp=CAGCC pool=10
True Signal: fp=CGCAC pool=4
True Signal: fp=AAAGG pool=1
True Signal: fp=GACCC pool=9
True Signal: fp=CCCTT pool=1
True Signal: fp=CGATT pool=11
True Signal: fp=GAAGC pool=5
True Signal: fp=TCATG pool=1
True Signal: fp=AGGAC pool=15
True Signal: fp=TGCTA pool=4
True Signal: fp=GAAGG pool=10
True Signal: fp=AATAA pool=2
True Signal: fp=TGCTG pool=9
True Signal: fp=GGCAG pool=1
True Signal: fp=GAGCG pool=3
True Signal: fp=CTTGG pool=1
True Signal: fp=ACAAT pool=6
True Signal: fp=ACTCA pool=7
True Signal: fp=TCCAC pool=10
True Signal: fp=AATAG pool=13
True Signal: fp=GATAA pool=1
True Signal: fp=TACGA pool=6
True Signal: fp=TATTC pool=2
True Signal: fp=CCTCC pool=3
True Signal: fp=TAACG pool=14
True Signal: fp=AAGCT pool=12
True Signal: fp=AAGCT pool=5
True Signal: fp=ACTCG pool=15
```

```
True Signal: fp=CAGCT pool=9
True Signal: fp=TCCAG pool=8
True Signal: fp=TCCAG pool=2
True Signal: fp=CGCAT pool=11
True Signal: fp=TCGAC pool=9
True Signal: fp=TCGAC pool=13
True Signal: fp=GCTCA pool=5
True Signal: fp=AGGAT pool=8
True Signal: fp=TAGGA pool=15
True Signal: fp=AGTGA pool=14
True Signal: fp=TAGGC pool=13
True Signal: fp=TACGG pool=7
True Signal: fp=TAGGG pool=13
True Signal: fp=AATAT pool=13
True Signal: fp=GGTGC pool=1
True Signal: fp=GGTGC pool=4
True Signal: fp=TCCAT pool=9
True Signal: fp=TGAAT pool=10
True Signal: fp=TATTT pool=6
True Signal: fp=TGTCC pool=10
True Signal: fp=AACTA pool=11
True Signal: fp=AACTA pool=3
True Signal: fp=CACTC pool=7
True Signal: fp=CTCCA pool=6
True Signal: fp=AAGTA pool=7
True Signal: fp=CAGTA pool=8
True Signal: fp=GACTC pool=14
True Signal: fp=GTCCA pool=3
True Signal: fp=CTGCA pool=11
True Signal: fp=ATAGG pool=12
True Signal: fp=GTAGA pool=8
True Signal: fp=GTAGA pool=9
True Signal: fp=TGTCT pool=0
True Signal: fp=CAGTG pool=15
True Signal: fp=GTAGC pool=14
True Signal: fp=GTGCC pool=10
True Signal: fp=CAAAC pool=11
True Signal: fp=GTAGG pool=3
True Signal: fp=AAAAG pool=0
True Signal: fp=AAAAG pool=2
True Signal: fp=ACACG pool=5
True Signal: fp=GAAAG pool=14
True Signal: fp=CCCGA pool=15
True Signal: fp=AGCCC pool=10
True Signal: fp=AGAGA pool=13
True Signal: fp=ATGCT pool=6
True Signal: fp=AGAGC pool=14
True Signal: fp=GCTTA pool=9
True Signal: fp=AGGCC pool=12
True Signal: fp=CGGCA pool=10
True Signal: fp=GCCGA pool=7
True Signal: fp=CCTTG pool=2
```

```
True Signal: fp=GCTTC pool=5
True Signal: fp=TTCGC pool=10
True Signal: fp=GCACG pool=10
True Signal: fp=TTGGC pool=12
True Signal: fp=GTGCT pool=9
True Signal: fp=ACGGG pool=11
True Signal: fp=ACGGG pool=3
True Signal: fp=GCGGC pool=11
True Signal: fp=TAGAA pool=15
True Signal: fp=CCACT pool=13
True Signal: fp=GGGCG pool=2
True Signal: fp=TCAGA pool=9
True Signal: fp=CGTAA pool=6
True Signal: fp=TAGAC pool=11
True Signal: fp=CTTAT pool=13
True Signal: fp=AGCCT pool=0
True Signal: fp=CGTAC pool=7
True Signal: fp=CATCG pool=7
True Signal: fp=TCGCA pool=7
True Signal: fp=TCCCG pool=11
True Signal: fp=AGTAG pool=9
True Signal: fp=AGGCT pool=10
True Signal: fp=GGCCT pool=8
True Signal: fp=TCGCG pool=5
True Signal: fp=GGTAG pool=10
True Signal: fp=GGTAG pool=3
True Signal: fp=GGGCT pool=8
True Signal: fp=TGGGG pool=1
True Signal: fp=AGTAT pool=0
True Signal: fp=ATGTC pool=9
True Signal: fp=TGACT pool=9
True Signal: fp=CTGTC pool=11
True Signal: fp=GTCTC pool=4
True Signal: fp=CTGTG pool=3
True Signal: fp=CTAAA pool=14
True Signal: fp=ACATC pool=13
True Signal: fp=GTAAA pool=13
True Signal: fp=ATAAG pool=13
True Signal: fp=AGCTA pool=4
True Signal: fp=GTCTT pool=13
True Signal: fp=AGCTG pool=3
True Signal: fp=AGGTC pool=1
True Signal: fp=CGCTG pool=12
True Signal: fp=GGCTC pool=14
True Signal: fp=AGGTG pool=8
True Signal: fp=GGGTA pool=10
True Signal: fp=GGGTA pool=15
True Signal: fp=GGCTG pool=2
True Signal: fp=GGGTC pool=10
True Signal: fp=CGAAA pool=3
True Signal: fp=ATTCA pool=13
True Signal: fp=ATTCA pool=6
```

```
True Signal: fp=TTCAA pool=9
True Signal: fp=TTCAA pool=12
True Signal: fp=AACGA pool=11
True Signal: fp=ACGAA pool=13
True Signal: fp=ATTCC pool=2
True Signal: fp=CCGAA pool=12
True Signal: fp=CCGAA pool=14
True Signal: fp=CATTC pool=13
True Signal: fp=CCATT pool=11
True Signal: fp=GGGTG pool=6
True Signal: fp=AGAAG pool=0
True Signal: fp=CCCAG pool=3
True Signal: fp=CCCAG pool=5
True Signal: fp=CACGC pool=10
True Signal: fp=CTTCC pool=14
True Signal: fp=CTTCC pool=6
True Signal: fp=TTATT pool=0
True Signal: fp=GATTC pool=12
True Signal: fp=GATTC pool=14
True Signal: fp=CAGGA pool=15
True Signal: fp=GCATT pool=15
True Signal: fp=AGCTT pool=4
True Signal: fp=ATTCG pool=9
True Signal: fp=ATTCG pool=5
True Signal: fp=CGAAG pool=14
True Signal: fp=CACGG pool=9
True Signal: fp=AAGGG pool=13
True Signal: fp=GAGGC pool=11
True Signal: fp=GGCTT pool=11
True Signal: fp=AAACT pool=4
True Signal: fp=TCAAA pool=4
True Signal: fp=TCAAC pool=5
True Signal: fp=CAACT pool=4
True Signal: fp=AGAAT pool=10
True Signal: fp=AATTT pool=8
True Signal: fp=TACCC pool=5
True Signal: fp=ACGAT pool=1
True Signal: fp=CGAAT pool=12
True Signal: fp=TAAGG pool=1
True Signal: fp=AAGGT pool=9
True Signal: fp=AAGGT pool=12
True Signal: fp=GCTGA pool=12
True Signal: fp=TGCAG pool=5
True Signal: fp=TAGCG pool=5
True Signal: fp=GCGAT pool=14
True Signal: fp=GCTGC pool=10
True Signal: fp=GCTGG pool=1
True Signal: fp=GGTCG pool=0
True Signal: fp=TCAAT pool=4
True Signal: fp=TAAGT pool=2
True Signal: fp=CCTGT pool=5
True Signal: fp=TCTCG pool=12
```

```
True Signal: fp=TGTGA pool=9
True Signal: fp=GCTGT pool=2
True Signal: fp=GGTCT pool=13
True Signal: fp=CAATA pool=7
True Signal: fp=GAATA pool=0
True Signal: fp=GAATA pool=15
True Signal: fp=ATTTA pool=1
True Signal: fp=ATTTA pool=12
False positive Signal: fp=AAACT pool=2
False positive Signal: fp=CCAGG pool=0
False positive Signal: fp=TAGTA pool=4
False positive Signal: fp=TCCCT pool=13
False positive Signal: fp=CTGTG pool=7
False positive Signal: fp=GCGTA pool=13
False positive Signal: fp=TCTAG pool=0
False positive Signal: fp=ACCTA pool=0
False positive Signal: fp=CACTT pool=10
False positive Signal: fp=GGAAG pool=12
False positive Signal: fp=CCGAC pool=3
False positive Signal: fp=TAGGG pool=12
False positive Signal: fp=TAGCG pool=4
False positive Signal: fp=TCTCC pool=15
False positive Signal: fp=CAGAA pool=9
False positive Signal: fp=TGCGC pool=9
False positive Signal: fp=CGAAT pool=2
False positive Signal: fp=CCGAG pool=9
False positive Signal: fp=CATGC pool=4
False positive Signal: fp=GTATC pool=1
False positive Signal: fp=TCGCT pool=2
False positive Signal: fp=AGGTA pool=14
False positive Signal: fp=AACCC pool=13
False positive Signal: fp=TACCC pool=6
False positive Signal: fp=GTTAA pool=8
False positive Signal: fp=TGGAG pool=12
False positive Signal: fp=ATTCC pool=9
False positive Signal: fp=TCACA pool=15
False positive Signal: fp=CTGCT pool=3
False positive Signal: fp=TGCCG pool=2
False positive Signal: fp=ACTCG pool=4
False positive Signal: fp=CGCAC pool=14
False positive Signal: fp=CTTCG pool=15
False positive Signal: fp=CCTGG pool=0
False positive Signal: fp=AGAAG pool=2
False positive Signal: fp=CTTAA pool=3
False positive Signal: fp=ACGGT pool=9
False positive Signal: fp=CTTGG pool=3
False positive Signal: fp=AGATC pool=12
False positive Signal: fp=GACCG pool=5
False positive Signal: fp=CCGTT pool=8
False positive Signal: fp=CACTC pool=12
False positive Signal: fp=ATTGG pool=5
False positive Signal: fp=AACAC pool=14
```

```
False positive Signal: fp=GTACC pool=14
False positive Signal: fp=CCCGT pool=4
False positive Signal: fp=AGTGG pool=6
False positive Signal: fp=AGGTC pool=9
False positive Signal: fp=GAACC pool=1
False positive Signal: fp=GATTC pool=12
False positive Signal: fp=AAGCT pool=1
False positive Signal: fp=GCACC pool=7
False positive Signal: fp=GCCCT pool=5
False positive Signal: fp=GCTGC pool=0
False positive Signal: fp=GACAA pool=7
False positive Signal: fp=TCGCT pool=0
False positive Signal: fp=CGTAA pool=2
False positive Signal: fp=CGAGT pool=3
False positive Signal: fp=AATGC pool=7
False positive Signal: fp=AAACT pool=5
False positive Signal: fp=CGATG pool=7
False positive Signal: fp=ATCCA pool=14
False positive Signal: fp=GGTCG pool=1
False positive Signal: fp=ACCGC pool=2
False positive Signal: fp=TATCA pool=0
False positive Signal: fp=AATCC pool=4
False positive Signal: fp=GAGGA pool=14
False positive Signal: fp=TATAC pool=5
False positive Signal: fp=TCGCG pool=2
False positive Signal: fp=GAGGG pool=5
False positive Signal: fp=ATTGA pool=5
False positive Signal: fp=TCAGA pool=15
False positive Signal: fp=CGGCC pool=1
False positive Signal: fp=TCGCT pool=7
False positive Signal: fp=TCTCA pool=10
False positive Signal: fp=TCTGT pool=11
False positive Signal: fp=GTGGT pool=4
False positive Signal: fp=CTTCC pool=5
False positive Signal: fp=GACAA pool=14
False positive Signal: fp=CTGCC pool=5
False positive Signal: fp=CAACT pool=6
False positive Signal: fp=CGAAG pool=13
False positive Signal: fp=TCGCA pool=15
False positive Signal: fp=CTTGT pool=13
False positive Signal: fp=GGTCC pool=13
False positive Signal: fp=ATGTT pool=14
False positive Signal: fp=CGGCG pool=3
False positive Signal: fp=CGAGC pool=2
False positive Signal: fp=AAGCA pool=14
False positive Signal: fp=CAAGG pool=9
False positive Signal: fp=TGGCT pool=15
False positive Signal: fp=AGGAT pool=8
False positive Signal: fp=ACGGG pool=9
False positive Signal: fp=AGATG pool=15
False positive Signal: fp=CCCAA pool=0
False positive Signal: fp=ACTTC pool=1
```

False positive Signal: fp=TCCTT pool=15
False positive Signal: fp=CCAGG pool=6
False positive Signal: fp=TGCGT pool=4
False positive Signal: fp=CTACT pool=4
False positive Signal: fp=AATTG pool=3
False positive Signal: fp=GGAGC pool=6
False positive Signal: fp=AACAG pool=9
False positive Signal: fp=GGATT pool=12
False positive Signal: fp=ATGAA pool=8
False positive Signal: fp=AGGTT pool=11
False positive Signal: fp=GCCTT pool=2
False positive Signal: fp=TGCCG pool=12
False positive Signal: fp=ACTCC pool=13
False positive Signal: fp=ACCAG pool=13
False positive Signal: fp=CTCTG pool=4
False positive Signal: fp=CAGTT pool=15
False positive Signal: fp=CTAAG pool=10
False positive Signal: fp=ATCGG pool=0
False positive Signal: fp=CCGTC pool=5
False positive Signal: fp=TGCTC pool=4
False positive Signal: fp=ATCTG pool=4
False positive Signal: fp=GGCGT pool=6
False positive Signal: fp=TACCA pool=9
False positive Signal: fp=GTGGG pool=6
False positive Signal: fp=ACGTA pool=12
False positive Signal: fp=ACGTG pool=9
False positive Signal: fp=CTGTA pool=11
False positive Signal: fp=GCAGA pool=12
False positive Signal: fp=GCCGC pool=9
False positive Signal: fp=ATCAG pool=14
False positive Signal: fp=AAAAG pool=0
False positive Signal: fp=GTGGG pool=10
False positive Signal: fp=AACCA pool=5
False positive Signal: fp=GGACG pool=7
False positive Signal: fp=GCCGG pool=6
False positive Signal: fp=GCGAC pool=11
False positive Signal: fp=GCCAC pool=3
False positive Signal: fp=AGGCC pool=4
False positive Signal: fp=ACGCA pool=15
False positive Signal: fp=ACTGA pool=15
False positive Signal: fp=AATTC pool=10
False positive Signal: fp=GCAAC pool=0
False positive Signal: fp=GTTTA pool=7
False positive Signal: fp=AGCAA pool=2
False positive Signal: fp=GCAAC pool=7
False positive Signal: fp=CGAAA pool=14
False positive Signal: fp=GTGCA pool=4
False positive Signal: fp=GCTGT pool=5
False positive Signal: fp=AATGA pool=15
False positive Signal: fp=GATGA pool=4
False positive Signal: fp=GTAAG pool=2
False positive Signal: fp=GTCGG pool=1

```
False positive Signal: fp=TATAC pool=1
False positive Signal: fp=AAAGT pool=2
False positive Signal: fp=AGCGC pool=13
False positive Signal: fp=GTTCT pool=13
False positive Signal: fp=GGGCG pool=3
False positive Signal: fp=AAAAT pool=7
False positive Signal: fp=GTAGG pool=1
False positive Signal: fp=AAGAT pool=14
False positive Signal: fp=CATGC pool=3
False positive Signal: fp=CGGTG pool=7
False positive Signal: fp=AGAGT pool=9
False positive Signal: fp=GGATT pool=5
False positive Signal: fp=ATTAT pool=12
False positive Signal: fp=TGTGA pool=0
False positive Signal: fp=CTGAT pool=15
False positive Signal: fp=TGGTC pool=13
False positive Signal: fp=GTTTA pool=2
False positive Signal: fp=AAATC pool=1
False positive Signal: fp=TAGTA pool=3
False positive Signal: fp=AAACA pool=9
False positive Signal: fp=GTCGT pool=10
False positive Signal: fp=TCGTC pool=4
False positive Signal: fp=AAACT pool=10
False positive Signal: fp=AGCCT pool=5
False positive Signal: fp=CAGTC pool=9
False positive Signal: fp=AGATC pool=1
False positive Signal: fp=CTCTG pool=3
False positive Signal: fp=TGTCC pool=9
False positive Signal: fp=CTGCT pool=15
False positive Signal: fp=GGTAG pool=14
False positive Signal: fp=CTCTT pool=11
False positive Signal: fp=CCCTT pool=2
False positive Signal: fp=GAATA pool=14
False positive Signal: fp=TAACC pool=0
False positive Signal: fp=GCTAT pool=8
False positive Signal: fp=TACTG pool=2
False positive Signal: fp=ATGTT pool=3
False positive Signal: fp=GACGA pool=12
False positive Signal: fp=ACAAC pool=14
False positive Signal: fp=TCGAC pool=2
False positive Signal: fp=ATGGA pool=9
False positive Signal: fp=CAGTT pool=1
False positive Signal: fp=GGGCT pool=12
False positive Signal: fp=ACCGG pool=1
False positive Signal: fp=TGCGA pool=12
False positive Signal: fp=GGGTG pool=1
False positive Signal: fp=TGTCA pool=1
False positive Signal: fp=GCCCT pool=5
False positive Signal: fp=CGCTG pool=10
False positive Signal: fp=GCATG pool=11
False positive Signal: fp=TGGCT pool=12
False positive Signal: fp=CGGAG pool=13
```

False positive Signal: fp=CTCCG pool=3
False positive Signal: fp=CGAAA pool=0
False positive Signal: fp=ACTGG pool=2
False positive Signal: fp=ATCTT pool=6
False positive Signal: fp=AACCT pool=1
False positive Signal: fp=GGACG pool=10
False positive Signal: fp=CGATA pool=11
False positive Signal: fp=ATATA pool=7
False positive Signal: fp=TCGGT pool=10
False positive Signal: fp=TACCT pool=9
False positive Signal: fp=TCAAG pool=1
False positive Signal: fp=GTCGT pool=0
False positive Signal: fp=TATCA pool=1
False positive Signal: fp=GCTAC pool=10
False positive Signal: fp=GTCTT pool=11
False positive Signal: fp=GTATC pool=5
False positive Signal: fp=TCGCC pool=1
False positive Signal: fp=GTTTA pool=14
False positive Signal: fp=GCATT pool=6
False positive Signal: fp=TATAG pool=5
False positive Signal: fp=TCACC pool=5
False positive Signal: fp=TCGCA pool=11
False positive Signal: fp=AACCC pool=15
False positive Signal: fp=TATGC pool=6
False positive Signal: fp=TGGAT pool=0
False positive Signal: fp=TATCC pool=4
False positive Signal: fp=TCAGG pool=8
False positive Signal: fp=CACAA pool=4
False positive Signal: fp=TGCCC pool=11
False positive Signal: fp=GTTCT pool=5
False positive Signal: fp=TACAT pool=8
False positive Signal: fp=TGTTT pool=9
False positive Signal: fp=ACATT pool=7
False positive Signal: fp=AAGCT pool=1
False positive Signal: fp=CGGAC pool=2
False positive Signal: fp=AGAAT pool=13
False positive Signal: fp=AGGCG pool=6
False positive Signal: fp=GCTGT pool=1
False positive Signal: fp=GGGGT pool=1
False positive Signal: fp=TGGTG pool=2
False positive Signal: fp=TCGAT pool=9
False positive Signal: fp=GATCA pool=13
False positive Signal: fp=CCGGT pool=10
False positive Signal: fp=ATTGT pool=8
False positive Signal: fp=ATCAC pool=5
False positive Signal: fp=GGAAG pool=15
False positive Signal: fp=GACTA pool=0
False positive Signal: fp=TCTAT pool=0
False positive Signal: fp=AAGCT pool=15
False positive Signal: fp=ATTTA pool=5
False positive Signal: fp=GTTAA pool=7
False positive Signal: fp=ATAAT pool=12

```
False positive Signal: fp=AAGTC pool=9
False positive Signal: fp=GCCTA pool=9
False positive Signal: fp=AGCCA pool=4
False positive Signal: fp=AACGC pool=3
False positive Signal: fp=GGTAA pool=15
False positive Signal: fp=TACTA pool=11
False positive Signal: fp=GAGCC pool=6
False positive Signal: fp=AGAAT pool=6
False positive Signal: fp=AATTG pool=12
False positive Signal: fp=TGCCC pool=11
False positive Signal: fp=AGTAA pool=12
False positive Signal: fp=GTAGC pool=4
False positive Signal: fp=TCGAG pool=4
False positive Signal: fp=TGCAG pool=0
False positive Signal: fp=GAGTA pool=1
False positive Signal: fp=GTACC pool=11
False positive Signal: fp=TCCTG pool=5
False positive Signal: fp=CCTGA pool=10
False positive Signal: fp=GTATG pool=1
False positive Signal: fp=ACAGA pool=7
False positive Signal: fp=GCGTC pool=15
False positive Signal: fp=ATCGA pool=4
False positive Signal: fp=ATCCT pool=5
False positive Signal: fp=TCGTG pool=0
False positive Signal: fp=TCTCT pool=15
False positive Signal: fp=AGCAA pool=8
False positive Signal: fp=GCGCT pool=10
False positive Signal: fp=ACTTC pool=5
False positive Signal: fp=TCCAG pool=3
False positive Signal: fp=ACGCG pool=7
False positive Signal: fp=GAGCA pool=5
False positive Signal: fp=TCAAC pool=4
False positive Signal: fp=CCTTG pool=1
False positive Signal: fp=GAGAT pool=11
False positive Signal: fp=CTGAA pool=0
False positive Signal: fp=CTGGC pool=0
False positive Signal: fp=ACCTG pool=6
False positive Signal: fp=GATAC pool=13
False positive Signal: fp=TAGTG pool=7
False positive Signal: fp=TCGAC pool=13
False positive Signal: fp=ATTGA pool=15
False positive Signal: fp=TGTCG pool=2
False positive Signal: fp=CGTGC pool=6
False positive Signal: fp=CAGTG pool=10
False positive Signal: fp=GAGTC pool=11
False positive Signal: fp=AAGTT pool=11
False positive Signal: fp=AGAGA pool=2
False positive Signal: fp=ATATA pool=8
10mers:37056
11mers:6330
12mers:1360
13mers:536
```

14mers:412
15mers:395
16mers:390
17mers:382
18mers:379
19mers:376
20mers:372
21mers:372
22mers:377
23mers:371
24mers:369
25mers:367
26mers:363
27mers:365
28mers:371
29mers:366
30mers:359
31mers:360
32mers:356
33mers:358
34mers:359
35mers:359
36mers:352
37mers:346
38mers:343
39mers:340
40mers:342
41mers:344
42mers:343
43mers:337
44mers:335
45mers:333
46mers:334
47mers:335
48mers:334
49mers:333
50mers:325
51mers:323
52mers:321
53mers:322
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55mers:323
56mers:319
57mers:319
58mers:319
59mers:318
60mers:319
61mers:315
62mers:315
63mers:312
64mers:309
65mers:312

66mers:312
67mers:309
68mers:308
69mers:304
70mers:302
71mers:301
72mers:297
73mers:297
74mers:298
75mers:295
76mers:290
77mers:288
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SEQ ID NO:49
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CAATAAGTAG CGCTGGGGTG CTACTACGGG TCTCGACACG CATTCAACTA
AAAGCTTCCA TTCGCACGGG CTTATTTAAC GAAGGTCGCG ATAAGGTGCC
GAATAGGCTG CAGAGCGGCA GCCTGTCCAG TGAATGCTGT GAGGCCTCCA
GCTGACTCAT GAGAGAAGCC CAGTATTCAA ACTACGATTC CACTCGACAA
TTTAGGATGT CTTCCCGAAA GCTATCGGGT AGAATATCAG ATTCGTTTAA

True solution DotsOn=286

Solutions: 1

r300.100.15.out

```
Using pool D16
Using sequence r300

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True Signal: fp=GTACC pool=0
True Signal: fp=ATCGC pool=1
True Signal: fp=GAATG pool=15
True Signal: fp=ATCGG pool=13
True Signal: fp=GTCGC pool=13
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True Signal: fp=CTGGG pool=10
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True Signal: fp=CGACA pool=11
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True Signal: fp=GGACC pool=1
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True Signal: fp=TTAGG pool=1
True Signal: fp=GAGAG pool=1
True Signal: fp=TAAAA pool=11
True Signal: fp=AGCGG pool=4
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True Signal: fp=ACTAC pool=4
True Signal: fp=ACTAC pool=7
True Signal: fp=AGGGG pool=9
True Signal: fp=AGGGG pool=5
True Signal: fp=TTTAA pool=15
True Signal: fp=GGGGC pool=7
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True Signal: fp=GACAT pool=4
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True Signal: fp=CCAGT pool=9
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True Signal: fp=GGGGT pool=14
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True Signal: fp=GCTAT pool=3
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True Signal: fp=ATCAG pool=6
True Signal: fp=CGATA pool=8
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231mers:1781
232mers:1772
233mers:1731
234mers:1625
235mers:1561
236mers:1515
237mers:1493
238mers:1442
239mers:1379
240mers:1323
241mers:1246
242mers:1195
243mers:1197
244mers:1160
245mers:1137
246mers:1127
247mers:1099
248mers:1095
249mers:1076
250mers:1046
251mers:991
252mers:944
253mers:916
254mers:901
255mers:881
256mers:877
257mers:862
258mers:818
259mers:789
260mers:771
261mers:754
262mers:728
263mers:698
264mers:663
265mers:610
266mers:566
267mers:555
268mers:521
269mers:474
270mers:418
271mers:367
272mers:343
273mers:326
274mers:316
275mers:294
276mers:263
277mers:236
278mers:219
279mers:214

280mers:218
281mers:220
282mers:218
283mers:209
284mers:199
285mers:194
286mers:196
287mers:187
288mers:174
289mers:161
290mers:139
291mers:123
292mers:114
293mers:101
294mers:79
295mers:58
296mers:47
297mers:37
298mers:27
299mers:18
300mers:11

SEQ ID NO:50
GGTAGGGGTAGACATCGCGTAAAAGGGGCGTACCCAGGACCCCCCTTGGCTCAATAAGTAGC
GCTGGGGTGCTACTACGGGTCTCGACACGCATTCAACTAAAAGCTTCCATTCGCACGGGCTT
ATTTAACGAAGGTCGCGATAAGGTGCCGAATAGGCTGCAGAGCGGCAGCCTGTCCAGTGAAT
GCTGTGAGGCCTCCAGCTGACTCATGAGAGAAGCCCAGTATTCAAACTACGATTCCACTCGA
CAATTTAGGATGTCTTCCCGAAAGCTATCGGGTAGAATATCAGATTCGTTTT
DotsOn=286

SEQ ID NO:51
GTAGGGGTAGACATCGCGTAAAAGGGGCGTACCCAGGACCCCCCTTGGCTCAATAAGTAGCG
CTGGGGTGCTACTACGGGTCTCGACACGCATTCAACTAAAAGCTTCCATTCGCACGGGCTTA
TTTAACGAAGGTCGCGATAAGGTGCCGAATAGGCTGCAGAGCGGCAGCCTGTCCAGTGAATG
CTGTGAGGCCTCCAGCTGACTCATGAGAGAAGCCCAGTATTCAAACTACGATTCCACTCGAC
AATTTAGGATGTCTTCCCGAAAGCTATCGGGTAGAATATCAGATTCGTTTTG
DotsOn=286

SEQ ID NO:52
GGGTAGGGGTAGACATCGCGTAAAAGGGGCGTACCCAGGACCCCCCTTGGCTCAATAAGTAG
CGCTGGGGTGCTACTACGGGTCTCGACACGCATTCAACTAAAAGCTTCCATTCGCACGGGCT
TATTTAACGAAGGTCGCGATAAGGTGCCGAATAGGCTGCAGAGCGGCAGCCTGTCCAGTGAA
TGCTGTGAGGCCTCCAGCTGACTCATGAGAGAAGCCCAGTATTCAAACTACGATTCCACTCG
ACAATTTAGGATGTCTTCCCGAAAGCTATCGGGTAGAATATCAGATTCGTTT
DotsOn=285

SEQ ID NO:53
GGTAGGGGTAGACATCGCGTAAAAGGGGCGTACCCAGGACCCCCCTTGGCTCAATAAGTAGC
GCTGGGGTGCTACTACGGGTCTCGACACGCATTCAACTAAAAGCTTCCATTCGCACGGGCTT

ATTTAACGAAGGTCGCGATAAGGTGCCGAATAGGCTGCAGAGCGGCAGCCTGTCCAGTGAAT
GCTGTGAGGCCTCCAGCTGACTCATGAGAGAAGCCCAGTATTCAAACTACGATTCCACTCGA
CAATTTAGGATGTCTTCCCGAAAGCTATCGGGTAGAATATCAGATTCGTTTG
DotsOn=286

SEQ ID NO:54
GGGTAGGGGTAGACATCGCGTAAAAGGGGCGTACCCAGGACCCCCCTTGGCTCAATAAGTAG
CGCTGGGGTGCTACTACGGGTCTCGACACGCATTCAACTAAAAGCTTCCATTCGCACGGGCT
TATTTAACGAAGGTCGCGATAAGGTGCCGAATAGGCTGCAGAGCGGCAGCCTGTCCAGTGAA
TGCTGTGAGGCCTCCAGCTGACTCATGAGAGAAGCCCAGTATTCAAACTACGATTCCACTCG
ACAATTTAGGATGTCTTCCCGAAAGCTATCGGGTAGAATATCAGATTGTAGT
DotsOn=285

SEQ ID NO:55
GTAGGGGTAGACATCGCGTAAAAGGGGCGTACCCAGGACCCCCCTTGGCTCAATAAGTAGCG
CTGGGGTGCTACTACGGGTCTCGACACGCATTCAACTAAAAGCTTCCATTCGCACGGGCTTA
TTTAACGAAGGTCGCGATAAGGTGCCGAATAGGCTGCAGAGCGGCAGCCTGTCCAGTGAATG
CTGTGAGGCCTCCAGCTGACTCATGAGAGAAGCCCAGTATTCAAACTACGATTCCACTCGAC
AATTTAGGATGTCTTCCCGAAAGCTATCGGGTAGAATATCAGATTCGTTTAA
True solution DotsOn=286

SEQ ID NO:56
GTAGGGGTAGACATCGCGTAAAAGGGGCGTACCCAGGACCCCCCTTGGCTCAATAAGTAGCG
CTGGGGTGCTACTACGGGTCTCGACACGCATTCAACTAAAAGCTTCCATTCGCACGGGCTTA
TTTAACGAAGGTCGCGATAAGGTGCCGAATAGGCTGCAGAGCGGCAGCCTGTCCAGTGAATG
CTGTGAGGCCTCCAGCTGACTCATGAGAGAAGCCCAGTATTCAAACTACGATTCCACTCGAC
AATTTAGGATGTCTTCCCGAAAGCTATCGGGTAGAATATCAGATTCCCATGT
DotsOn=284

SEQ ID NO:57
GGTAGGGGTAGACATCGCGTAAAAGGGGCGTACCCAGGACCCCCCTTGGCTCAATAAGTAGC
GCTGGGGTGCTACTACGGGTCTCGACACGCATTCAACTAAAAGCTTCCATTCGCACGGGCTT
ATTTAACGAAGGTCGCGATAAGGTGCCGAATAGGCTGCAGAGCGGCAGCCTGTCCAGTGAAT
GCTGTGAGGCCTCCAGCTGACTCATGAGAGAAGCCCAGTATTCAAACTACGATTCCACTCGA
CAATTTAGGATGTCTTCCCGAAAGCTATCGGGTAGAATATCAGATTCCCATG
DotsOn=285

SEQ ID NO:58
GGGTAGGGGTAGACATCGCGTAAAAGGGGCGTACCCAGGACCCCCCTTGGCTCAATAAGTAG
CGCTGGGGTGCTACTACGGGTCTCGACACGCATTCAACTAAAAGCTTCCATTCGCACGGGCT
TATTTAACGAAGGTCGCGATAAGGTGCCGAATAGGCTGCAGAGCGGCAGCCTGTCCAGTGAA
TGCTGTGAGGCCTCCAGCTGACTCATGAGAGAAGCCCAGTATTCAAACTACGATTCCACTCG
ACAATTTAGGATGTCTTCCCGAAAGCTATCGGGTAGAATATCAGATTCCCAT
DotsOn=285

SEQ ID NO:59
GGTAGGGGTAGACATCGCGTAAAAGGGGCGTACCCAGGACCCCCCTTGGCTCAATAAGTAGC
GCTGGGGTGCTACTACGGGTCTCGACACGCATTCAACTAAAAGCTTCCATTCGCACGGGCTT
ATTTAACGAAGGTCGCGATAAGGTGCCGAATAGGCTGCAGAGCGGCAGCCTGTCCAGTGAAT

GCTGTGAGGCCTCCAGCTGACTCATGAGAGAAGCCCAGTATTCAAACTACGATTCCACTCGA
CAATTTAGGATGTCTTCCCGAAAGCTATCGGGTAGAATATCAGATTCGTTTA
DotsOn=286

SEQ ID NO:60
GTAGGGGTAGACATCGCGTAAAAGGGGCGTACCCAGGACCCCCCTTGGCTCAATAAGTAGCG
CTGGGGTGCTACTACGGGTCTCGACACGCATTCAACTAAAAGCTTCCATTCGCACGGGCTTA
TTTAACGAAGGTCGCGATAAGGTGCCGAATAGGCTGCAGAGCGGCAGCCTGTCCAGTGAATG
CTGTGAGGCCTCCAGCTGACTCATGAGAGAAGCCCAGTATTCAAACTACGATTCCACTCGAC
AATTTAGGATGTCTTCCCGAAAGCTATCGGGTAGAATATCAGATTCGTTTGA
DotsOn=285

Solutions: 11

r300.0.0.DN16.out

```
Using pool DN16
Using sequence r300

True Signal: fp=CTCGA pool=7
True Signal: fp=CTACG pool=1
True Signal: fp=CTACG pool=2
True Signal: fp=GTACC pool=0
True Signal: fp=ATCGC pool=1
True Signal: fp=GAATG pool=15
True Signal: fp=ATCGG pool=13
True Signal: fp=GTCGC pool=13
True Signal: fp=ACCCA pool=14
True Signal: fp=CTGGG pool=10
True Signal: fp=CAATT pool=3
True Signal: fp=GACAA pool=1
True Signal: fp=TACTA pool=3
True Signal: fp=ACCCC pool=6
True Signal: fp=AGACA pool=10
True Signal: fp=TTCCA pool=8
True Signal: fp=TTCCA pool=4
True Signal: fp=ACGCA pool=8
True Signal: fp=GACAC pool=2
True Signal: fp=CGACA pool=10
True Signal: fp=CGACA pool=11
True Signal: fp=CTACT pool=10
True Signal: fp=CCCCC pool=2
True Signal: fp=CCCCC pool=14
True Signal: fp=TTCCC pool=12
True Signal: fp=GCCCA pool=1
True Signal: fp=GAGAA pool=8
True Signal: fp=CCAGC pool=5
True Signal: fp=CAGAG pool=3
True Signal: fp=GCAGA pool=1
True Signal: fp=GCAGC pool=12
True Signal: fp=CGCGA pool=3
True Signal: fp=AGCGC pool=0
True Signal: fp=GGACC pool=1
True Signal: fp=CCAGG pool=7
True Signal: fp=TTAGG pool=1
True Signal: fp=GAGAG pool=6
True Signal: fp=TAAAA pool=11
True Signal: fp=AGCGG pool=4
True Signal: fp=ACTAA pool=15
True Signal: fp=CGGGC pool=4
True Signal: fp=ACTAC pool=4
True Signal: fp=ACTAC pool=7
True Signal: fp=AGGGG pool=9
True Signal: fp=AGGGG pool=5
True Signal: fp=TTTAA pool=15
True Signal: fp=GGGGC pool=7
```

```
True Signal: fp=CAGAT pool=11
True Signal: fp=CATGA pool=14
True Signal: fp=AATGC pool=1
True Signal: fp=CCCCT pool=13
True Signal: fp=GACAT pool=4
True Signal: fp=TCTTC pool=8
True Signal: fp=CCAGT pool=10
True Signal: fp=CCAGT pool=9
True Signal: fp=GCTAC pool=9
True Signal: fp=TTTAG pool=11
True Signal: fp=TGAGA pool=12
True Signal: fp=TGCCG pool=8
True Signal: fp=GCGCT pool=15
True Signal: fp=CGCGT pool=4
True Signal: fp=TGAGG pool=5
True Signal: fp=TCGGG pool=1
True Signal: fp=CGGGT pool=8
True Signal: fp=CGGGT pool=12
True Signal: fp=GGCGT pool=12
True Signal: fp=TATCA pool=4
True Signal: fp=ATATC pool=9
True Signal: fp=CTATC pool=6
True Signal: fp=GGGGT pool=11
True Signal: fp=GGGGT pool=14
True Signal: fp=TATCG pool=3
True Signal: fp=GCTAT pool=3
True Signal: fp=GATGT pool=0
True Signal: fp=TGGCT pool=6
True Signal: fp=CTCAA pool=15
True Signal: fp=ATCAG pool=6
True Signal: fp=CGATA pool=2
True Signal: fp=CTGAC pool=5
True Signal: fp=GTATT pool=11
True Signal: fp=ATGAG pool=8
True Signal: fp=GCCTC pool=11
True Signal: fp=GTGAA pool=2
True Signal: fp=GCGTA pool=0
True Signal: fp=GCGTA pool=9
True Signal: fp=GCCTG pool=12
True Signal: fp=GGATG pool=1
True Signal: fp=GTGAG pool=0
True Signal: fp=TTAAC pool=6
True Signal: fp=AAAGC pool=1
True Signal: fp=AAAGC pool=6
True Signal: fp=AAGCC pool=8
True Signal: fp=CTCAT pool=8
True Signal: fp=AGATT pool=12
True Signal: fp=CAGCC pool=10
True Signal: fp=CGCAC pool=3
True Signal: fp=AAAGG pool=1
True Signal: fp=GACCC pool=9
True Signal: fp=CCCTT pool=1
```

True Signal: fp=CGATT pool=11
True Signal: fp=GAAGC pool=5
True Signal: fp=TCATG pool=1
True Signal: fp=AGGAC pool=6
True Signal: fp=TGCTA pool=4
True Signal: fp=GAAGG pool=10
True Signal: fp=AATAA pool=2
True Signal: fp=TGCTG pool=9
True Signal: fp=GGCAG pool=1
True Signal: fp=GAGCG pool=3
True Signal: fp=CTTGG pool=1
True Signal: fp=ACAAT pool=6
True Signal: fp=ACTCA pool=7
True Signal: fp=TCCAC pool=10
True Signal: fp=AATAG pool=13
True Signal: fp=GATAA pool=1
True Signal: fp=TACGA pool=6
True Signal: fp=TATTC pool=2
True Signal: fp=CCTCC pool=3
True Signal: fp=TAACG pool=14
True Signal: fp=AAGCT pool=12
True Signal: fp=AAGCT pool=5
True Signal: fp=ACTCG pool=15
True Signal: fp=CAGCT pool=9
True Signal: fp=TCCAG pool=8
True Signal: fp=CGCAT pool=11
True Signal: fp=TCGAC pool=9
True Signal: fp=TCGAC pool=5
True Signal: fp=GCTCA pool=5
True Signal: fp=AGGAT pool=8
True Signal: fp=TAGGA pool=15
True Signal: fp=AGTGA pool=14
True Signal: fp=TAGGC pool=13
True Signal: fp=TACGG pool=7
True Signal: fp=TAGGG pool=13
True Signal: fp=AATAT pool=13
True Signal: fp=GGTGC pool=1
True Signal: fp=GGTGC pool=5
True Signal: fp=TCCAT pool=9
True Signal: fp=TGAAT pool=10
True Signal: fp=TATTT pool=6
True Signal: fp=TGTCC pool=10
True Signal: fp=AACTA pool=1
True Signal: fp=AACTA pool=3
True Signal: fp=CACTC pool=7
True Signal: fp=CTCCA pool=6
True Signal: fp=AAGTA pool=7
True Signal: fp=CAGTA pool=8
True Signal: fp=GACTC pool=14
True Signal: fp=GTCCA pool=3
True Signal: fp=CTGCA pool=11
True Signal: fp=ATAGG pool=14

```
True Signal: fp=GTAGA pool=8
True Signal: fp=GTAGA pool=9
True Signal: fp=TGTCT pool=0
True Signal: fp=CAGTG pool=15
True Signal: fp=GTAGC pool=14
True Signal: fp=GTGCC pool=10
True Signal: fp=CAAAC pool=11
True Signal: fp=GTAGG pool=3
True Signal: fp=AAAAG pool=0
True Signal: fp=AAAAG pool=2
True Signal: fp=ACACG pool=5
True Signal: fp=GAAAG pool=14
True Signal: fp=CCCGA pool=15
True Signal: fp=AGCCC pool=10
True Signal: fp=AGAGA pool=13
True Signal: fp=ATGCT pool=6
True Signal: fp=AGAGC pool=14
True Signal: fp=GCTTA pool=9
True Signal: fp=AGGCC pool=12
True Signal: fp=CGGCA pool=10
True Signal: fp=GCCGA pool=7
True Signal: fp=CCTTG pool=2
True Signal: fp=GCTTC pool=5
True Signal: fp=TTCGC pool=10
True Signal: fp=GCACG pool=10
True Signal: fp=TTGGC pool=12
True Signal: fp=GTGCT pool=9
True Signal: fp=ACGGG pool=0
True Signal: fp=ACGGG pool=3
True Signal: fp=GCGGC pool=11
True Signal: fp=TAGAA pool=2
True Signal: fp=CCACT pool=13
True Signal: fp=GGGCG pool=2
True Signal: fp=TCAGA pool=9
True Signal: fp=CGTAA pool=12
True Signal: fp=TAGAC pool=11
True Signal: fp=CTTAT pool=13
True Signal: fp=AGCCT pool=0
True Signal: fp=CGTAC pool=7
True Signal: fp=CATCG pool=7
True Signal: fp=TCGCA pool=7
True Signal: fp=TCCCG pool=1
True Signal: fp=AGTAG pool=9
True Signal: fp=AGGCT pool=10
True Signal: fp=GGCCT pool=8
True Signal: fp=TCGCG pool=5
True Signal: fp=GGTAG pool=10
True Signal: fp=GGTAG pool=3
True Signal: fp=GGGCT pool=8
True Signal: fp=TGGGG pool=1
True Signal: fp=AGTAT pool=0
True Signal: fp=ATGTC pool=9
```

```
True Signal: fp=TGACT pool=9
True Signal: fp=CTGTC pool=11
True Signal: fp=GTCTC pool=4
True Signal: fp=CTGTG pool=3
True Signal: fp=CTAAA pool=14
True Signal: fp=ACATC pool=13
True Signal: fp=GTAAA pool=13
True Signal: fp=ATAAG pool=13
True Signal: fp=AGCTA pool=4
True Signal: fp=GTCTT pool=13
True Signal: fp=AGCTG pool=4
True Signal: fp=AGGTC pool=1
True Signal: fp=CGCTG pool=12
True Signal: fp=GGCTC pool=14
True Signal: fp=AGGTG pool=8
True Signal: fp=GGGTA pool=10
True Signal: fp=GGGTA pool=15
True Signal: fp=GGCTG pool=2
True Signal: fp=GGGTC pool=10
True Signal: fp=CGAAA pool=3
True Signal: fp=ATTCA pool=13
True Signal: fp=ATTCA pool=6
True Signal: fp=TTCAA pool=9
True Signal: fp=TTCAA pool=12
True Signal: fp=AACGA pool=11
True Signal: fp=ACGAA pool=13
True Signal: fp=ATTCC pool=2
True Signal: fp=CCGAA pool=12
True Signal: fp=CCGAA pool=14
True Signal: fp=CATTC pool=13
True Signal: fp=CCATT pool=11
True Signal: fp=GGGTG pool=6
True Signal: fp=AGAAG pool=0
True Signal: fp=CCCAG pool=3
True Signal: fp=CCCAG pool=5
True Signal: fp=CACGC pool=10
True Signal: fp=CTTCC pool=14
True Signal: fp=CTTCC pool=6
True Signal: fp=TTATT pool=0
True Signal: fp=GATTC pool=12
True Signal: fp=GATTC pool=14
True Signal: fp=CAGGA pool=6
True Signal: fp=GCATT pool=15
True Signal: fp=AGCTT pool=4
True Signal: fp=ATTCG pool=9
True Signal: fp=ATTCG pool=5
True Signal: fp=CGAAG pool=14
True Signal: fp=CACGG pool=9
True Signal: fp=AAGGG pool=13
True Signal: fp=GAGGC pool=11
True Signal: fp=GGCTT pool=11
True Signal: fp=AAACT pool=4
```

```
True Signal: fp=TCAAA pool=4
True Signal: fp=TCAAC pool=5
True Signal: fp=CAACT pool=4
True Signal: fp=AGAAT pool=10
True Signal: fp=AATTT pool=8
True Signal: fp=TACCC pool=5
True Signal: fp=ACGAT pool=1
True Signal: fp=CGAAT pool=6
True Signal: fp=TAAGG pool=1
True Signal: fp=AAGGT pool=9
True Signal: fp=AAGGT pool=12
True Signal: fp=GCTGA pool=12
True Signal: fp=TGCAG pool=5
True Signal: fp=TAGCG pool=5
True Signal: fp=GCGAT pool=14
True Signal: fp=GCTGC pool=10
True Signal: fp=GCTGG pool=1
True Signal: fp=GGTCG pool=0
True Signal: fp=TCAAT pool=4
True Signal: fp=TAAGT pool=2
True Signal: fp=CCTGT pool=5
True Signal: fp=TCTCG pool=12
True Signal: fp=TGTGA pool=9
True Signal: fp=GCTGT pool=2
True Signal: fp=GGTCT pool=13
True Signal: fp=CAATA pool=7
True Signal: fp=GAATA pool=0
True Signal: fp=GAATA pool=15
True Signal: fp=ATTTA pool=1
True Signal: fp=ATTTA pool=12
10mers:18240
11mers:2483
12mers:581
13mers:357
14mers:335
15mers:325
16mers:321
17mers:322
18mers:319
19mers:317
20mers:315
21mers:313
22mers:313
23mers:310
24mers:310
25mers:310
26mers:307
27mers:305
28mers:304
29mers:302
30mers:302
31mers:301
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32mers:298
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35mers:295
36mers:294
37mers:293
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191mers:132
192mers:130
193mers:128
194mers:126
195mers:125
196mers:124
197mers:124
198mers:122
199mers:122
200mers:120
201mers:119
202mers:120
203mers:120
204mers:117
205mers:115
206mers:115
207mers:113
208mers:113
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212mers:107
213mers:106
214mers:106
215mers:105
216mers:103
217mers:103
218mers:102
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224mers:95
225mers:94
226mers:92
227mers:91
228mers:90
229mers:89
230mers:87
231mers:86
232mers:86
233mers:84
234mers:81
235mers:79
236mers:78
237mers:77
238mers:77
239mers:78

240mers:75
241mers:72
242mers:70
243mers:69
244mers:68
245mers:67
246mers:66
247mers:65
248mers:64
249mers:64
250mers:64
251mers:62
252mers:60
253mers:60
254mers:60
255mers:57
256mers:56
257mers:55
258mers:55
259mers:53
260mers:51
261mers:50
262mers:50
263mers:48
264mers:48
265mers:49
266mers:48
267mers:44
268mers:43
269mers:43
270mers:42
271mers:41
272mers:38
273mers:38
274mers:36
275mers:34
276mers:33
277mers:33
278mers:32
279mers:30
280mers:28
281mers:25
282mers:24
283mers:24
284mers:23
285mers:22
286mers:19
287mers:17
288mers:16
289mers:15
290mers:15
291mers:13

292mers:11
293mers:9
294mers:8
295mers:7
296mers:6
297mers:5
298mers:4
299mers:3
300mers:1

SEQ ID NO:61
GTAGGGGTAG ACATCGCGTA AAAGGGGCGT ACCCAGGACC CCCCTTGGCT
CAATAAGTAG CGCTGGGGTG CTACTACGGG TCTCGACACG CATTCAACTA
AAAGCTTCCA TTCGCACGGG CTTATTTAAC GAAGGTCGCG ATAAGGTGCC
GAATAGGCTG CAGAGCGGCA GCCTGTCCAG TGAATGCTGT GAGGCCTCCA
GCTGACTCAT GAGAGAAGCC CAGTATTCAA ACTACGATTC CACTCGACAA
TTTAGGATGT CTTCCCGAAA GCTATCGGGT AGAATATCAG ATTCGTTTAA

True solution DotsOn=285

Solutions: 1

r300.100.15.DN16.out

```
Using pool DN16
Using sequence r300

True Signal: fp=CTCGA pool=7
True Signal: fp=CTACG pool=1
True Signal: fp=CTACG pool=2
True Signal: fp=GTACC pool=0
True Signal: fp=ATCGC pool=1
True Signal: fp=GAATG pool=15
True Signal: fp=ATCGG pool=13
True Signal: fp=GTCGC pool=13
True Signal: fp=ACCCA pool=14
True Signal: fp=CTGGG pool=10
True Signal: fp=CAATT pool=3
True Signal: fp=GACAA pool=1
True Signal: fp=TACTA pool=3
True Signal: fp=ACCCC pool=6
True Signal: fp=AGACA pool=10
True Signal: fp=TTCCA pool=8
True Signal: fp=TTCCA pool=4
True Signal: fp=ACGCA pool=8
True Signal: fp=GACAC pool=2
True Signal: fp=CGACA pool=10
True Signal: fp=CGACA pool=11
True Signal: fp=CTACT pool=10
True Signal: fp=CCCCC pool=2
True Signal: fp=CCCCC pool=14
True Signal: fp=TTCCC pool=12
True Signal: fp=GCCCA pool=1
True Signal: fp=GAGAA pool=8
True Signal: fp=CCAGC pool=5
True Signal: fp=CAGAG pool=3
True Signal: fp=GCAGA pool=1
True Signal: fp=GCAGC pool=12
True Signal: fp=CGCGA pool=3
True Signal: fp=AGCGC pool=0
True Signal: fp=GGACC pool=1
True Signal: fp=CCAGG pool=7
True Signal: fp=TTAGG pool=1
True Signal: fp=GAGAG pool=6
True Signal: fp=TAAAA pool=11
True Signal: fp=AGCGG pool=4
True Signal: fp=ACTAA pool=15
True Signal: fp=CGGGC pool=4
True Signal: fp=ACTAC pool=4
True Signal: fp=ACTAC pool=7
True Signal: fp=AGGGG pool=9
True Signal: fp=AGGGG pool=5
True Signal: fp=TTTAA pool=15
True Signal: fp=GGGGC pool=7
```

```
True Signal: fp=CAGAT pool=11
True Signal: fp=CATGA pool=14
True Signal: fp=AATGC pool=1
True Signal: fp=CCCCT pool=13
True Signal: fp=GACAT pool=4
True Signal: fp=TCTTC pool=8
True Signal: fp=CCAGT pool=10
True Signal: fp=CCAGT pool=9
True Signal: fp=GCTAC pool=9
True Signal: fp=TTTAG pool=11
True Signal: fp=TGAGA pool=12
True Signal: fp=TGCCG pool=8
True Signal: fp=GCGCT pool=15
True Signal: fp=CGCGT pool=4
True Signal: fp=TGAGG pool=5
True Signal: fp=TCGGG pool=1
True Signal: fp=CGGGT pool=8
True Signal: fp=CGGGT pool=12
True Signal: fp=GGCGT pool=12
True Signal: fp=TATCA pool=4
True Signal: fp=ATATC pool=9
True Signal: fp=CTATC pool=6
True Signal: fp=GGGGT pool=11
True Signal: fp=GGGGT pool=14
True Signal: fp=TATCG pool=3
True Signal: fp=GCTAT pool=3
True Signal: fp=GATGT pool=0
True Signal: fp=TGGCT pool=6
True Signal: fp=CTCAA pool=15
True Signal: fp=ATCAG pool=6
True Signal: fp=CGATA pool=2
True Signal: fp=CTGAC pool=5
True Signal: fp=GTATT pool=11
True Signal: fp=ATGAG pool=8
True Signal: fp=GCCTC pool=11
True Signal: fp=GTGAA pool=2
True Signal: fp=GCGTA pool=0
True Signal: fp=GCGTA pool=9
True Signal: fp=GCCTG pool=12
True Signal: fp=GGATG pool=1
True Signal: fp=GTGAG pool=0
True Signal: fp=TTAAC pool=6
True Signal: fp=AAAGC pool=1
True Signal: fp=AAAGC pool=6
True Signal: fp=AAGCC pool=8
True Signal: fp=CTCAT pool=8
True Signal: fp=AGATT pool=12
True Signal: fp=CAGCC pool=10
True Signal: fp=CGCAC pool=3
True Signal: fp=AAAGG pool=1
True Signal: fp=GACCC pool=9
True Signal: fp=CCCTT pool=1
```

```
True Signal: fp=CGATT pool=11
True Signal: fp=GAAGC pool=5
True Signal: fp=TCATG pool=1
True Signal: fp=AGGAC pool=6
True Signal: fp=TGCTA pool=4
True Signal: fp=GAAGG pool=10
True Signal: fp=AATAA pool=2
True Signal: fp=TGCTG pool=9
True Signal: fp=GGCAG pool=1
True Signal: fp=GAGCG pool=3
True Signal: fp=CTTGG pool=1
True Signal: fp=ACAAT pool=6
True Signal: fp=ACTCA pool=7
True Signal: fp=TCCAC pool=10
True Signal: fp=AATAG pool=13
True Signal: fp=GATAA pool=1
True Signal: fp=TACGA pool=6
True Signal: fp=TATTC pool=2
True Signal: fp=CCTCC pool=3
True Signal: fp=TAACG pool=14
True Signal: fp=AAGCT pool=12
True Signal: fp=AAGCT pool=5
True Signal: fp=ACTCG pool=15
True Signal: fp=CAGCT pool=9
True Signal: fp=TCCAG pool=8
True Signal: fp=CGCAT pool=11
True Signal: fp=TCGAC pool=9
True Signal: fp=TCGAC pool=5
True Signal: fp=GCTCA pool=5
True Signal: fp=AGGAT pool=8
True Signal: fp=TAGGA pool=15
True Signal: fp=AGTGA pool=14
True Signal: fp=TAGGC pool=13
True Signal: fp=TACGG pool=7
True Signal: fp=TAGGG pool=13
True Signal: fp=AATAT pool=13
True Signal: fp=GGTGC pool=1
True Signal: fp=GGTGC pool=5
True Signal: fp=TCCAT pool=9
True Signal: fp=TGAAT pool=10
True Signal: fp=TATTT pool=6
True Signal: fp=TGTCC pool=10
True Signal: fp=AACTA pool=1
True Signal: fp=AACTA pool=3
True Signal: fp=CACTC pool=7
True Signal: fp=CTCCA pool=6
True Signal: fp=AAGTA pool=7
True Signal: fp=CAGTA pool=8
True Signal: fp=GACTC pool=14
True Signal: fp=GTCCA pool=3
True Signal: fp=CTGCA pool=11
True Signal: fp=ATAGG pool=14
```

```
True Signal: fp=GTAGA pool=8
True Signal: fp=GTAGA pool=9
True Signal: fp=TGTCT pool=0
True Signal: fp=CAGTG pool=15
True Signal: fp=GTAGC pool=14
True Signal: fp=GTGCC pool=10
True Signal: fp=CAAAC pool=11
True Signal: fp=GTAGG pool=3
True Signal: fp=AAAAG pool=0
True Signal: fp=AAAAG pool=2
True Signal: fp=ACACG pool=5
True Signal: fp=GAAAG pool=14
True Signal: fp=CCCGA pool=15
True Signal: fp=AGCCC pool=10
True Signal: fp=AGAGA pool=13
True Signal: fp=ATGCT pool=6
True Signal: fp=AGAGC pool=14
True Signal: fp=GCTTA pool=9
True Signal: fp=AGGCC pool=12
True Signal: fp=CGGCA pool=10
True Signal: fp=GCCGA pool=7
True Signal: fp=CCTTG pool=2
True Signal: fp=GCTTC pool=5
True Signal: fp=TTCGC pool=10
True Signal: fp=GCACG pool=10
True Signal: fp=TTGGC pool=12
True Signal: fp=GTGCT pool=9
True Signal: fp=ACGGG pool=0
True Signal: fp=ACGGG pool=3
True Signal: fp=GCGGC pool=11
True Signal: fp=TAGAA pool=2
True Signal: fp=CCACT pool=13
True Signal: fp=GGGCG pool=2
True Signal: fp=TCAGA pool=9
True Signal: fp=CGTAA pool=12
True Signal: fp=TAGAC pool=11
True Signal: fp=CTTAT pool=13
True Signal: fp=AGCCT pool=0
True Signal: fp=CGTAC pool=7
True Signal: fp=CATCG pool=7
True Signal: fp=TCGCA pool=7
True Signal: fp=TCCCG pool=1
True Signal: fp=AGTAG pool=9
True Signal: fp=AGGCT pool=10
True Signal: fp=GGCCT pool=8
True Signal: fp=TCGCG pool=5
True Signal: fp=GGTAG pool=10
True Signal: fp=GGTAG pool=3
True Signal: fp=GGGCT pool=8
True Signal: fp=TGGGG pool=1
True Signal: fp=AGTAT pool=0
True Signal: fp=ATGTC pool=9
```

True Signal: fp=TGACT pool=9
True Signal: fp=CTGTC pool=11
True Signal: fp=GTCTC pool=4
True Signal: fp=CTGTG pool=3
True Signal: fp=CTAAA pool=14
True Signal: fp=ACATC pool=13
True Signal: fp=GTAAA pool=13
True Signal: fp=ATAAG pool=13
True Signal: fp=AGCTA pool=4
True Signal: fp=GTCTT pool=13
True Signal: fp=AGCTG pool=4
True Signal: fp=AGGTC pool=1
True Signal: fp=CGCTG pool=12
True Signal: fp=GGCTC pool=14
True Signal: fp=AGGTG pool=8
True Signal: fp=GGGTA pool=10
True Signal: fp=GGGTA pool=15
True Signal: fp=GGCTG pool=2
True Signal: fp=GGGTC pool=10
True Signal: fp=CGAAA pool=3
True Signal: fp=ATTCA pool=13
True Signal: fp=ATTCA pool=6
True Signal: fp=TTCAA pool=9
True Signal: fp=TTCAA pool=12
True Signal: fp=AACGA pool=11
True Signal: fp=ACGAA pool=13
True Signal: fp=ATTCC pool=2
True Signal: fp=CCGAA pool=12
True Signal: fp=CCGAA pool=14
True Signal: fp=CATTC pool=13
True Signal: fp=CCATT pool=11
True Signal: fp=GGGTG pool=6
True Signal: fp=AGAAG pool=0
True Signal: fp=CCCAG pool=3
True Signal: fp=CCCAG pool=5
True Signal: fp=CACGC pool=10
True Signal: fp=CTTCC pool=14
True Signal: fp=CTTCC pool=6
True Signal: fp=TTATT pool=0
True Signal: fp=GATTC pool=12
True Signal: fp=GATTC pool=14
True Signal: fp=CAGGA pool=6
True Signal: fp=GCATT pool=15
True Signal: fp=AGCTT pool=4
True Signal: fp=ATTCG pool=9
True Signal: fp=ATTCG pool=5
True Signal: fp=CGAAG pool=14
True Signal: fp=CACGG pool=9
True Signal: fp=AAGGG pool=13
True Signal: fp=GAGGC pool=11
True Signal: fp=GGCTT pool=11
True Signal: fp=AAACT pool=4

```
True Signal: fp=TCAAA pool=4
True Signal: fp=TCAAC pool=5
True Signal: fp=CAACT pool=4
True Signal: fp=AGAAT pool=10
True Signal: fp=AATTT pool=8
True Signal: fp=TACCC pool=5
True Signal: fp=ACGAT pool=1
True Signal: fp=CGAAT pool=6
True Signal: fp=TAAGG pool=1
True Signal: fp=AAGGT pool=9
True Signal: fp=AAGGT pool=12
True Signal: fp=GCTGA pool=12
True Signal: fp=TGCAG pool=5
True Signal: fp=TAGCG pool=5
True Signal: fp=GCGAT pool=14
True Signal: fp=GCTGC pool=10
True Signal: fp=GCTGG pool=1
True Signal: fp=GGTCG pool=0
True Signal: fp=TCAAT pool=4
True Signal: fp=TAAGT pool=2
True Signal: fp=CCTGT pool=5
True Signal: fp=TCTCG pool=12
True Signal: fp=TGTGA pool=9
True Signal: fp=GCTGT pool=2
True Signal: fp=GGTCT pool=13
True Signal: fp=CAATA pool=7
True Signal: fp=GAATA pool=0
True Signal: fp=GAATA pool=15
True Signal: fp=ATTTA pool=1
True Signal: fp=ATTTA pool=12
False positive Signal: fp=AGACT pool=2
False positive Signal: fp=AACTG pool=12
False positive Signal: fp=CCACA pool=11
False positive Signal: fp=GCCGC pool=7
False positive Signal: fp=CATAC pool=2
False positive Signal: fp=GTGTA pool=0
False positive Signal: fp=AAGAG pool=9
False positive Signal: fp=GATGT pool=7
False positive Signal: fp=CAAGC pool=6
False positive Signal: fp=GGGAC pool=3
False positive Signal: fp=ATTTC pool=9
False positive Signal: fp=GATTA pool=1
False positive Signal: fp=TCCCT pool=10
False positive Signal: fp=GGTAC pool=11
False positive Signal: fp=GCAGC pool=9
False positive Signal: fp=CCGCT pool=4
False positive Signal: fp=CATTT pool=3
False positive Signal: fp=ACTGA pool=15
False positive Signal: fp=AGAGC pool=2
False positive Signal: fp=GTCCA pool=10
False positive Signal: fp=TGAGA pool=2
False positive Signal: fp=GAATC pool=10
```

False positive Signal: fp=ATCTC pool=1
False positive Signal: fp=CACCC pool=5
False positive Signal: fp=CTGGT pool=10
False positive Signal: fp=CGGCT pool=7
False positive Signal: fp=CAAGT pool=3
False positive Signal: fp=TAGAT pool=2
False positive Signal: fp=AGGCG pool=2
False positive Signal: fp=GTCTA pool=11
False positive Signal: fp=CAATA pool=1
False positive Signal: fp=GTAGG pool=8
False positive Signal: fp=GTGAC pool=2
False positive Signal: fp=GATGC pool=4
False positive Signal: fp=GACGC pool=2
False positive Signal: fp=AGCCA pool=12
False positive Signal: fp=GCAGC pool=7
False positive Signal: fp=GGTGA pool=7
False positive Signal: fp=TATCT pool=6
False positive Signal: fp=CATAT pool=15
False positive Signal: fp=AGATC pool=7
False positive Signal: fp=TATAG pool=14
False positive Signal: fp=TCAAA pool=0
False positive Signal: fp=ACTCA pool=10
False positive Signal: fp=GACAA pool=3
False positive Signal: fp=GTCTA pool=9
False positive Signal: fp=ACTCC pool=1
False positive Signal: fp=CGGAG pool=6
False positive Signal: fp=CCTAA pool=8
False positive Signal: fp=GTCCG pool=13
False positive Signal: fp=CGACA pool=15
False positive Signal: fp=CCTGA pool=10
False positive Signal: fp=CCATT pool=9
False positive Signal: fp=ACTAT pool=4
False positive Signal: fp=AACCG pool=9
False positive Signal: fp=CGATC pool=11
False positive Signal: fp=TGGAG pool=3
False positive Signal: fp=AGCCC pool=0
False positive Signal: fp=ATCTC pool=10
False positive Signal: fp=CATTA pool=6
False positive Signal: fp=GCTGG pool=12
False positive Signal: fp=GTGCA pool=13
False positive Signal: fp=CACTC pool=10
False positive Signal: fp=AACAT pool=14
False positive Signal: fp=GCCAC pool=7
False positive Signal: fp=AAGAC pool=3
False positive Signal: fp=CGTGG pool=12
False positive Signal: fp=CGTTT pool=0
False positive Signal: fp=CTCGC pool=13
False positive Signal: fp=GGAAA pool=9
False positive Signal: fp=GGTCC pool=15
False positive Signal: fp=TCTGA pool=15
False positive Signal: fp=TCAAC pool=15
False positive Signal: fp=AAGCA pool=9

```
False positive Signal: fp=GGAAG pool=1
False positive Signal: fp=GTGGG pool=1
False positive Signal: fp=TAAGC pool=9
False positive Signal: fp=TGGGA pool=10
False positive Signal: fp=GTTTA pool=2
False positive Signal: fp=GGGCG pool=12
False positive Signal: fp=ACAGG pool=0
False positive Signal: fp=ACATC pool=9
False positive Signal: fp=CAATG pool=3
False positive Signal: fp=AAAGC pool=9
False positive Signal: fp=GGAAC pool=5
False positive Signal: fp=GGGGA pool=0
False positive Signal: fp=CTGGT pool=13
False positive Signal: fp=GGGTA pool=15
False positive Signal: fp=ATCTC pool=9
False positive Signal: fp=GTCAC pool=15
False positive Signal: fp=AAGTT pool=7
False positive Signal: fp=CCATG pool=8
False positive Signal: fp=TAAGG pool=15
False positive Signal: fp=AAAGC pool=6
False positive Signal: fp=CCGGT pool=3
False positive Signal: fp=ACAAA pool=13
False positive Signal: fp=TCTTT pool=14
False positive Signal: fp=CTGTA pool=6
False positive Signal: fp=CAGTG pool=15
False positive Signal: fp=CCCAG pool=0
False negative : fp= pool=
False negative : fp=CTCGA pool=7
False negative : fp=CTACG pool=1
False negative : fp=CTACG pool=2
False negative : fp=GTACC pool=0
False negative : fp=ATCGC pool=1
False negative : fp=GAATG pool=15
False negative : fp=ATCGG pool=13
False negative : fp=GTCGC pool=13
False negative : fp=ACCCA pool=14
False negative : fp=CTGGG pool=10
False negative : fp=CAATT pool=3
False negative : fp=GACAA pool=1
False negative : fp=TACTA pool=3
False negative : fp=ACCCC pool=6
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11mers:20332
12mers:15187
13mers:10500
14mers:8165
15mers:6357
16mers:5426
17mers:4711
18mers:4327
19mers:4105
20mers:4006
```

21mers:3949
22mers:3895
23mers:3800
24mers:3721
25mers:3650
26mers:3611
27mers:3627
28mers:3613
29mers:3613
30mers:3605
31mers:3596
32mers:3619
33mers:3656
34mers:3673
35mers:3700
36mers:3714
37mers:3768
38mers:3822
39mers:3838
40mers:3845
41mers:3856
42mers:3920
43mers:3982
44mers:4015
45mers:4080
46mers:4132
47mers:4109
48mers:4126
49mers:4098
50mers:4084
51mers:4096
52mers:4131
53mers:4180
54mers:4257
55mers:4320
56mers:4384
57mers:4486
58mers:4532
59mers:4565
60mers:4567
61mers:4624
62mers:4729
63mers:4873
64mers:4994
65mers:5081
66mers:5141
67mers:5169
68mers:5191
69mers:5220
70mers:5299
71mers:5427
72mers:5558

73mers:5648
74mers:5674
75mers:5691
76mers:5716
77mers:5777
78mers:5833
79mers:5865
80mers:5893
81mers:5968
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83mers:6198
84mers:6331
85mers:6394
86mers:6470
87mers:6535
88mers:6606
89mers:6668
90mers:6721
91mers:6778
92mers:6842
93mers:6891
94mers:6895
95mers:6881
96mers:6901
97mers:6920
98mers:6925
99mers:6908
100mers:6883
101mers:4871
102mers:4792
103mers:4761
104mers:4729
105mers:4714
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108mers:4879
109mers:4878
110mers:4811
111mers:4738
112mers:4684
113mers:4614
114mers:4555
115mers:4502
116mers:4475
117mers:4448
118mers:4402
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120mers:4435
121mers:4439
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123mers:4453
124mers:4419

125mers:4380
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127mers:4304
128mers:4243
129mers:4166
130mers:4087
131mers:4068
132mers:4041
133mers:4003
134mers:3959
135mers:3906
136mers:3859
137mers:3802
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144mers:3618
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161mers:3251
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163mers:3196
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165mers:3179
166mers:3182
167mers:3129
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169mers:3048
170mers:3080
171mers:3069
172mers:3061
173mers:3036
174mers:3012
175mers:2970
176mers:2911

177mers:2912
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179mers:2925
180mers:2945
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183mers:3002
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186mers:2973
187mers:2981
188mers:2955
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192mers:2707
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197mers:2591
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203mers:2583
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205mers:2505
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211mers:2431
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213mers:2307
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215mers:2227
216mers:2168
217mers:2123
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221mers:2020
222mers:2034
223mers:2038
224mers:2026
225mers:2000
226mers:1975
227mers:1943
228mers:1879

229mers:1808
230mers:1771
231mers:1720
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233mers:1620
234mers:1548
235mers:1492
236mers:1453
237mers:1405
238mers:1381
239mers:1338
240mers:1272
241mers:1222
242mers:1190
243mers:1171
244mers:1129
245mers:1104
246mers:1095
247mers:1066
248mers:1021
249mers:996
250mers:939
251mers:896
252mers:850
253mers:795
254mers:742
255mers:679
256mers:649
257mers:631
258mers:613
259mers:602
260mers:605
261mers:600
262mers:585
263mers:568
264mers:540
265mers:509
266mers:487
267mers:472
268mers:451
269mers:418
270mers:395
271mers:365
272mers:337
273mers:319
274mers:285
275mers:266
276mers:246
277mers:223
278mers:203
279mers:194
280mers:183

281mers:173
282mers:173
283mers:161
284mers:145
285mers:136
286mers:135
287mers:130
288mers:123
289mers:121
290mers:105
291mers:91
292mers:84
293mers:66
294mers:53
295mers:41
296mers:31
297mers:26
298mers:21
299mers:16
300mers:10

SEQ ID NO:62
GTAGGGGTAGACATCGCGTAAAAGGGGCGTACCCAGGACCCCCCTTGGCTCAATAAGTAGCG
CTGGGGTGCTACTACGGGTCTCGACACGCATTCAACTAAAAGCTTCCATTCGCACGGGCTTA
TTTAACGAAGGTCGCGATAAGGTGCCGAATAGGCTGCAGAGCGGCAGCCTGTCCAGTGAATG
CTGTGAGGCCTCCAGCTGACTCATGAGAGAAGCCCAGTATTCAAACTACGATTCCACTCGAC
AATTTAGGATGTCTTCCCGAAAGCTATCGGGTAGAATATCAGATTCGTTTAA
True solution DotsOn=285

SEQ ID NO:63
GTAGGGGTAGACATCGCGTAAAAGGGGCGTACCCAGGACCCCCCTTGGCTCAATAAGTAGCG
CTGGGGTGCTACTACGGGTCTCGACACGCATTCAACTAAAAGCTTCCATTCGCACGGGCTTA
TTTAACGAAGGTCGCGATAAGGTGCCGAATAGGCTGCAGAGCGGCAGCCTGTCCAGTGAATG
CTGTGAGGCCTCCAGCTGACTCATGAGAGAAGCCCAGTATTCAAACTACGATTCCACTCGAC
AATTTAGGATGTCTTCCCGAAAGCTATCGGGTAGAATATCAGATTCCCATGT
DotsOn=283

SEQ ID NO:64
GGTAGGGGTAGACATCGCGTAAAAGGGGCGTACCCAGGACCCCCCTTGGCTCAATAAGTAGC
GCTGGGGTGCTACTACGGGTCTCGACACGCATTCAACTAAAAGCTTCCATTCGCACGGGCTT
ATTTAACGAAGGTCGCGATAAGGTGCCGAATAGGCTGCAGAGCGGCAGCCTGTCCAGTGAAT
GCTGTGAGGCCTCCAGCTGACTCATGAGAGAAGCCCAGTATTCAAACTACGATTCCACTCGA
CAATTTAGGATGTCTTCCCGAAAGCTATCGGGTAGAATATCAGATTCGTTTT
DotsOn=285

SEQ ID NO:65
GTAGGGGTAGACATCGCGTAAAAGGGGCGTACCCAGGACCCCCCTTGGCTCAATAAGTAGCG
CTGGGGTGCTACTACGGGTCTCGACACGCATTCAACTAAAAGCTTCCATTCGCACGGGCTTA

TTTAACGAAGGTCGCGATAAGGTGCCGAATAGGCTGCAGAGCGGCAGCCTGTCCAGTGAATG
CTGTGAGGCCTCCAGCTGACTCATGAGAGAAGCCCAGTATTCAAACTACGATTCCACTCGAC
AATTTAGGATGTCTTCCCGAAAGCTATCGGGTAGAATATCAGATTCGTTTTG
DotsOn=285

SEQ ID NO:66
GGTAGGGGTAGACATCGCGTAAAAGGGGCGTACCCAGGACCCCCCTTGGCTCAATAAGTAGC
GCTGGGGTGCTACTACGGGTCTCGACACGCATTCAACTAAAAGCTTCCATTCGCACGGGCTT
ATTTAACGAAGGTCGCGATAAGGTGCCGAATAGGCTGCAGAGCGGCAGCCTGTCCAGTGAAT
GCTGTGAGGCCTCCAGCTGACTCATGAGAGAAGCCCAGTATTCAAACTACGATTCCACTCGA
CAATTTAGGATGTCTTCCCGAAAGCTATCGGGTAGAATATCAGATTCCCATG
DotsOn=284

SEQ ID NO:67
GGGTAGGGGTAGACATCGCGTAAAAGGGGCGTACCCAGGACCCCCCTTGGCTCAATAAGTAG
CGCTGGGGTGCTACTACGGGTCTCGACACGCATTCAACTAAAAGCTTCCATTCGCACGGGCT
TATTTAACGAAGGTCGCGATAAGGTGCCGAATAGGCTGCAGAGCGGCAGCCTGTCCAGTGAA
TGCTGTGAGGCCTCCAGCTGACTCATGAGAGAAGCCCAGTATTCAAACTACGATTCCACTCG
ACAATTTAGGATGTCTTCCCGAAAGCTATCGGGTAGAATATCAGATTCGTTT
DotsOn=284

SEQ ID NO:68
GGTAGGGGTAGACATCGCGTAAAAGGGGCGTACCCAGGACCCCCCTTGGCTCAATAAGTAGC
GCTGGGGTGCTACTACGGGTCTCGACACGCATTCAACTAAAAGCTTCCATTCGCACGGGCTT
ATTTAACGAAGGTCGCGATAAGGTGCCGAATAGGCTGCAGAGCGGCAGCCTGTCCAGTGAAT
GCTGTGAGGCCTCCAGCTGACTCATGAGAGAAGCCCAGTATTCAAACTACGATTCCACTCGA
CAATTTAGGATGTCTTCCCGAAAGCTATCGGGTAGAATATCAGATTCGTTTG
DotsOn=285

SEQ ID NO:69
GGGTAGGGGTAGACATCGCGTAAAAGGGGCGTACCCAGGACCCCCCTTGGCTCAATAAGTAG
CGCTGGGGTGCTACTACGGGTCTCGACACGCATTCAACTAAAAGCTTCCATTCGCACGGGCT
TATTTAACGAAGGTCGCGATAAGGTGCCGAATAGGCTGCAGAGCGGCAGCCTGTCCAGTGAA
TGCTGTGAGGCCTCCAGCTGACTCATGAGAGAAGCCCAGTATTCAAACTACGATTCCACTCG
ACAATTTAGGATGTCTTCCCGAAAGCTATCGGGTAGAATATCAGATTCCCAT
DotsOn=284

SEQ ID NO:70
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Solutions: 10